



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

March 5, 2012

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

FROM: Raymond Flores, Alternate ESAT Regional Project Officer,
Environmental Services Branch (6MD-H)

TO: Vincent Malott, Superfund Project Manager (6SF-RA)

N. Gannon
FOR R.F.

Site: WEST COUNTY ROAD 112 GROUND WATER

Case#: 42182

SDG#: F5AW6

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.



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ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: March 2, 2012

TO: Marvelyne Humphrey, ESAT PO, Region 6 EPA

FROM: Tseng-Ying Fan, Data Reviewer, ESAT *✓*

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT *DGJ*

SUBJECT: CLP Data Review

Contract No.: EP-W-06-030
TO No.: 024
Task/Sub-Task: 2-11
ESAT Doc. No.: A024-211-0177
TDF No.: 6-12-163A
ESAT File No.: 0-0789

Attached is the data review summary for Case # 42182
SDG # F5AW6
Site West CR 112 Ground Water

COMMENTS:

I. LEVEL OF DATA REVIEW

Region 6 Standard Review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS reported several contractually noncompliant items that were confirmed by the hardcopy review.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

Some results were qualified because of technical problems that were not considered significant.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099
ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	42182	SITE	West CR 112 Ground Water
LABORATORY	SHEALY	NO. OF SAMPLES	11
CONTRACT#	EP-W-11-035	MATRIX	Water
SDG#	F5AW6	REVIEWER (IF NOT ESB)	ESAT
SOW#	SOM01.2	REVIEWER'S NAME	Tseng-Ying Fan
SF#	303DD2A6R6	COMPLETION DATE	March 2, 2012

SAMPLE NO.	F5AW6	F5AX0	F5AX4		
	F5AW7	F5AX1	F5AX5		
	F5AW8	F5AX2	F5AX6		
	F5AW9	F5AX3			

DATA ASSESSMENT SUMMARY

	TVOA	LMVOA
1. HOLDING TIMES	O	O
2. GC/MS TUNE/INSTR. PERFORM.	O	O
3. CALIBRATIONS	M	M
4. BLANKS	M	O
5. DMC/SURROGATES	O	O
6. MATRIX SPIKE/DUPLICATE/LCS	N/A	N/A
7. OTHER QC	N/A	N/A
8. INTERNAL STANDARDS	O	O
9. COMPOUND ID/QUANTITATION	O	O
10. PERFORMANCE/COMPLETENESS	O	O
11. OVERALL ASSESSMENT	M	M

O = Data had no problems.

M = Data qualified because of major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN: **TVOA** Tetrachloroethene failed the technical %D criteria for one opening CCV. The QLs for trichloroethene in sample F5AW9 and for tetrachloroethene in sample F5AX4 were raised above the SOW CRQLs because of laboratory contamination. **LMVOA** The 1,4-dioxane failed technical %D calibration criteria.

**COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW**

CASE 42182 SDG F5AW6 SITE West CR 112 Ground Water LAB SHEALY

COMMENTS: This SDG consisted of eight samples for TVOA analysis and three samples for LMVOA analysis following CLP SOW SOM01.2. The sampler designated samples F5AX5 and F5AX6 as trip blanks, sample F5AX4 as a field blank, and sample F5AX3 as a rinsate. MS/MSD analyses were not requested.

Region 6 Standard Review was performed for this data package as requested by the TDF. The compounds of concern are trichloroethene and tetrachloroethene with the SOW CRQLs as the action levels. Target compounds of concern present at concentrations above the action levels are trichloroethene in samples F5AX0, F5AX1, and F5AX2 and tetrachloroethene in samples F5AW6, F5AW7, F5AW8, F5AW9, F5AX0, F5AX1, and F5AX2.

DATA ASSESSMENT: The QC problems affecting data usability are addressed below.

TVOA

- All samples were preserved with acid as indicated by the pH values reported by the laboratory. Please note that polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low-biased results for these two compounds.
- The reviewer qualified the tetrachloroethene results as estimated for samples F5AW6, F5AW7, F5AW8, F5AW9, F5AX0, and F5AX3 because tetrachloroethene failed the technical %D criteria for the associated opening CCV.
- Because of laboratory contamination, the acetone results below the CRQL and all laboratory "B"-flagged results below the CRQLs should be considered undetected and were flagged "U" at the CRQLs on the DST.
- Because of laboratory contamination, results above the CRQLs for trichloroethene in sample F5AW9 and tetrachloroethene in sample F5AX4 were qualified as undetected ("U"-flagged) and the reported concentrations should be used as raised QLs ("M"-flagged).
- The reviewer was unable to assess the impact of the equipment contamination because information associating the rinsate with the samples was unavailable. Please note that toluene was detected at a concentration above the CRQL in rinsate sample F5AX3 and was also detected at concentrations below the CRQL in all the field samples in this SDG.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

CASE 42182 SDG F5AW6 SITE West CR 112 Ground Water LAB SHEALY

- Sample F5AX0 had a high VDMC3 recovery. In the reviewer's opinion, the high recovery for VDMC3 (1,1-dichloroethene-d2) was due to coeluting interference from its undeuterated isomer 1,1-dichloroethene, which was present in this sample at a significant concentration with a characteristic ion identical to the quantitation ion for VDMC3. Therefore, no data were qualified.

LMVOA

- All samples were preserved with acid as indicated by the pH values reported by the laboratory. Please note that polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low-biased results for these two compounds.
- Because of shipping contamination, the 1,4-dioxane results below the CRQL for samples F5AX1 and F5AX2 should be considered undetected and were flagged "U" at the CRQL on the DST. Both results were also qualified as estimated because the associated closing CCV failed contractual and technical %D criteria for 1,4-dioxane.
- All samples had low VDMC12 (1,4-dioxane-d8) recoveries. In the reviewer's opinion, the low VDMC12 concentrations were caused by the loss of instrument response for VDMC12 as demonstrated by the unacceptable %D performance for this DMC in the closing CCV associated with the samples. Therefore, the VDMC12 recoveries were not used to evaluate sample purging efficiency.
- Sample F5AX2 had a high VDMC3 recovery. In the reviewer's opinion, the high recovery for VDMC3 (1,1-dichloroethene-d2) was due to coeluting interference from its undeuterated isomer 1,1-dichloroethene, which was present in this sample at a high concentration with a characteristic ion identical to the quantitation ion for VDMC3. Therefore, no data were qualified.

OVERALL ASSESSMENT: Some results were qualified for seven TVOA and two LMVOA samples because of problems with calibration and/or laboratory contamination. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

ORGANIC ACRONYMS

%D	Percent Difference
%RSD	Percent Relative Standard Deviation
ARO	Aroclors
BFB	4-Bromofluorobenzene
BNA	Base/Neutral and Acid
CADRE	Computer-Aided Data Review and Evaluation
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CF	Calibration Factor
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenylphosphine
DMC	Deuterated Monitoring Compound
DST	Data Summary Table
GC/ECD	Gas Chromatograph/Electron Capture Detector
GC/MS	Gas Chromatograph/Mass Spectrometer
GPC	Gel Permeation Chromatography
IC	Initial Calibration
INDA(B,C)	Individual Standard Mixture A(or B or C)
IS	Internal Standard
LCS	Laboratory Control Sample
LMVOA	Low/Medium Volatile Organic Analysis
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NFG	National Functional Guidelines
OTR/COC	Organic Traffic Report/Chain of Custody
PAH	Polynuclear Aromatic Hydrocarbon
PE	Performance Evaluation
PEM	Performance Evaluation Mixture
PEST	Pesticides
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RIC	Reconstructed Ion Chromatogram
RPD	Relative Percent Difference
RRF	Relative Response Factor
RRT	Relative Retention Time
RSCC	Regional Sample Control Center
RT	Retention Time
SDG	Sample Delivery Group
SDMC	Semivolatile Deuterated Monitoring Compound
SIM	Selected Ion Monitoring
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
SVOA	Semivolatile Organic Analysis
TCL	Target Compound List
TCX	Tetrachloro-m-xylene
TIC	Tentatively Identified Compound
TVOA	Trace Volatile Organic Analysis
VDMC	Volatile Deuterated Monitoring Compound
VOA	Volatile Organic Analysis

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number

SDG: SDG Number

EPASAMP: EPA Sample Number

LABID: Laboratory File/Sample ID

MATRIX: Sample Matrix

ANDATE: Sample Analysis Date

ANTIME: Sample Analysis Time

CASNUM: Compound CAS Number

ANALYTE: Compound Name

CONC: Compound Concentration

VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)

UNITS: Concentration Units

ADJCRQL: Adjusted Contract Required Quantitation Limit Value

SMPDATE: Sampling Date

STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, VALDQAL, and ADJCRQL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- C** Identification of pesticide or aroclor has been confirmed by Gas Chromatography/Mass Spectrometer (GC/MS).
- X** Identification of pesticide or aroclor could not be confirmed by GC/MS when attempted.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.

CASE	SDG	EPASAMP	LABID	MATRIX	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	STATLOC
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-69-4	Trichlorofluoromethane	0.72		ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-34-3	1,1-Dichloroethane	0.14	LJ	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	67-66-3	Chloroform	0.22	LJ	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-88-3	Toluene	0.13	LJ	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	127-18-4	Tetrachloroethene	2.3	J	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A

42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-69-4	Trichlorodifluoromethane	0.73	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-34-3	1,1-Dichloroethane	0.16	LJ	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	74-97-5	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	67-66-3	Chloroform	0.24	LJ	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-88-3	Toluene	0.15	LJ	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	127-18-4	Tetrachloroethene	2.2	J	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012	21:31:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A

42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-69-4	Trichlorofluoromethane	0.57	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-34-3	1,1-Dichloroethane	0.084	LJ	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	67-66-3	Chloroform	0.20	LJ	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	108-88-3	Toluene	0.13	LJ	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	127-18-4	Tetrachloroethene	1.5	J	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012 21:31:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012 19:29:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012 19:29:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A

42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-69-4	Trichlorofluoromethane	0.88	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-34-3	1,1-Dichloroethane	0.37	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	156-59-2	cis-1,2-Dichloroethene	0.12	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	67-66-3	Chloroform	0.20	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	107-06-2	1,2-Dichloroethane	0.13	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	79-01-6	Trichloroethene	0.97	UM	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	108-88-3	Toluene	0.13	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	127-18-4	Tetrachloroethene	2.9	J	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	79-34-5	1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004 W	02/09/2012	19:29:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012	19:51:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012	19:51:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012	19:51:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-32A

42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-35-4	1,1-Dichloroethene	4.9		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-34-3	1,1-Dichloroethane	7.8		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	156-59-2	cis-1,2-Dichloroethene	3.1		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	74-97-5	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	67-66-3	Chloroform	0.46	LJ	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	107-06-2	1,2-Dichloroethane	0.51		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	79-01-6	Trichloroethene	3.3		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	78-87-5	1,2-Dichloropropane	0.19	LJ	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	108-88-3	Toluene	0.15	LJ	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	127-18-4	Tetrachloroethene	4.9	J	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005 W	02/09/2012 19:51:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX3	NB02045-006 W	02/09/2012 20:13:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006 W	02/09/2012 20:13:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006 W	02/09/2012 20:13:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006 W	02/09/2012 20:13:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1

42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	67-64-1	Acetone	5.0-	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-09-2	Methylene chloride	0.13	LJ	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-88-3	Toluene	0.58	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	127-18-4	Tetrachloroethene	0.50	UJ	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-34-5	1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1

42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	75-15-0	Carbon Disulfide	0.079	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	75-09-2	Methylene chloride	0.10	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	108-88-3	Toluene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	127-18-4	Tetrachloroethene	0.51	UM	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	124-48-1	Dibromochloromethane	0.13	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	75-25-2	Bromoform	0.32	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007 W	02/09/2012 08:05:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1

42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	108-88-3	Toluene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	127-18-4	Tetrachloroethene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX5	NB02045-008 W	02/09/2012 08:27:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012 TB # 1
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-71-8	Dichlorodifluoromethane	5.0	U	ug/L	5.0	01/31/2012 WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	74-87-3	Chloromethane	5.0	U	ug/L	5.0	01/31/2012 WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	01/31/2012 WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	74-83-9	Bromomethane	5.0	U	ug/L	5.0	01/31/2012 WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-00-3	Chloroethane	5.0	U	ug/L	5.0	01/31/2012 WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-69-4	Trichlorofluoromethane	5.0	U	ug/L	5.0	01/31/2012 WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-35-4	1,1-Dichloroethene	27		ug/L	5.0	01/31/2012 WMW-33A

42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	67-64-1	Acetone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-15-0	Carbon Disulfide	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	79-20-9	Methyl acetate	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	156-60-5	trans-1,2-Dichloroethene	0.60	LJ	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	1634-04-4	Methyl tert-butyl ether	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-34-3	1,1-Dichloroethane	12		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	156-59-2	cis-1,2-Dichloroethene	25		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	78-93-3	2-Butanone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	67-66-3	Chloroform	0.67	LJ	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	110-82-7	Cyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	56-23-5	Carbon tetrachloride	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	71-43-2	Benzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	107-06-2	1,2-Dichloroethane	1.9	LJ	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	123-91-1	1,4-Dioxane	100	UJ	ug/L	100	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	79-01-6	Trichloroethene	13		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	108-10-1	4-Methyl-2-pentanone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	108-88-3	Toluene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	127-18-4	Tetrachloroethene	12		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	591-78-6	2-Hexanone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	106-93-4	1,2-Dibromoethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	100-41-4	Ethylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	95-47-6	o-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	179601-23-1	m,p-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	100-42-5	Styrene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	75-25-2	Bromoform	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010 W	02/12/2012 05:40:00	87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00	75-71-8	Dichlorodifluoromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00	74-87-3	Chloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00	75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00	74-83-9	Bromomethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00	75-00-3	Chloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00	75-69-4	Trichlorofluoromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00	75-35-4	1,1-Dichloroethene	120		ug/L	5.0	01/31/2012	WMW-34A

42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 67-64-1	Acetone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 75-15-0	Carbon Disulfide	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 79-20-9	Methyl acetate	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 75-09-2	Methylene chloride	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 156-60-5	trans-1,2-Dichloroethene	2.7	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 1634-04-4	Methyl tert-butyl ether	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 75-34-3	1,1-Dichloroethane	20		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 156-59-2	cis-1,2-Dichloroethene	140		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 78-93-3	2-Butanone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 74-97-5	Bromoform	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 67-66-3	Chloroform	1.2	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 110-82-7	Cyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 56-23-5	Carbon tetrachloride	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 71-43-2	Benzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 107-06-2	1,2-Dichloroethane	3.3	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 123-91-1	1,4-Dioxane	100	UJ	ug/L	100	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 79-01-6	Trichloroethene	57		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 108-10-1	4-Methyl-2-pentanone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 108-88-3	Toluene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 79-00-5	1,1,2-Trichloroethane	0.79	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 127-18-4	Tetrachloroethene	42		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 591-78-6	2-Hexanone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 106-93-4	1,2-Dibromoethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 100-41-4	Ethylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 95-47-6	o-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 179601-23-1	m,p-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 100-42-5	Styrene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 75-25-2	Bromoform	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011 W	02/12/2012 06:02:00 87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00 75-71-8	Dichlorodifluoromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00 74-87-3	Chloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00 75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00 74-83-9	Bromomethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00 75-00-3	Chloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00 75-69-4	Trichlorofluoromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00 75-35-4	1,1-Dichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2

42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	67-64-1	Acetone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-15-0	Carbon Disulfide	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-20-9	Methyl acetate	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	1634-04-4	Methyl tert-butyl ether	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	78-93-3	2-Butanone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	67-66-3	Chloroform	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	110-82-7	Cyclohexane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	56-23-5	Carbon tetrachloride	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	71-43-2	Benzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	123-91-1	1,4-Dioxane	23	LJ	ug/L	100	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-01-6	Trichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-10-1	4-Methyl-2-pentanone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-88-3	Toluene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	127-18-4	Tetrachloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	591-78-6	2-Hexanone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	106-93-4	1,2-Dibromoethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	100-41-4	Ethylbenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	95-47-6	o-Xylene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	179601-23-1	m,p-Xylene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	100-42-5	Styrene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-25-2	Bromoform	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

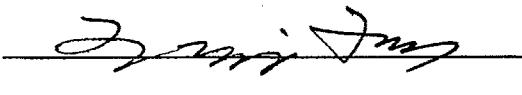
Case No.	42182	SDG No.	F5AW6
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SDG Nos. To Follow		Mod. Ref No.	
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Date Rec.	2/23/12
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<p>EPA Lab ID: SHEALY</p> <p>Lab Location: West Columbia, SC</p> <p>Region: 6 Audit No.: 42182/F5AW6</p> <p>Re_Submitted CSF? Yes _____ No X</p> <p>Box No(s): 1</p> <p>COMMENTS:</p> <p>Item Description</p> <p>8 The Form DC-1 on page 500 recorded an incorrect cooler temperature, and the auditor corrected this error.</p> <p>Over for additional comments.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">ORIGINALS</th> <th style="width: 10%;">YES</th> <th style="width: 10%;">NO</th> <th style="width: 10%;">N/A</th> </tr> </thead> <tbody> <tr> <td colspan="4">CUSTODY SEALS</td> </tr> <tr> <td>1. Present on package?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>2. Intact upon receipt?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">FORM DC-2</td> </tr> <tr> <td>3. Numbering scheme accurate?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>4. Are enclosed documents listed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5. Are listed documents enclosed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">FORM DC-1</td> </tr> <tr> <td>6. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>7. Complete?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>8. Accurate?</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td colspan="4">TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s)</td> </tr> <tr> <td>9. Signed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>10. Dated?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">AIRBILLS/AIRBILL STICKER</td> </tr> <tr> <td>11. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>12. Signed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>13. Dated?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SAMPLE TAGS</td> </tr> <tr> <td>14. Does DC-1 list tags as being included?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>15. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">OTHER DOCUMENTS</td> </tr> <tr> <td>16. Complete?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>17. Legible?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>18. Original?</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>18a. If "NO", does the copy indicate where original documents are located?</td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>	ORIGINALS	YES	NO	N/A	CUSTODY SEALS				1. Present on package?	X			2. Intact upon receipt?	X			FORM DC-2				3. Numbering scheme accurate?	X			4. Are enclosed documents listed?	X			5. Are listed documents enclosed?	X			FORM DC-1				6. Present?	X			7. Complete?	X			8. Accurate?		X		TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s)				9. Signed?	X			10. Dated?	X			AIRBILLS/AIRBILL STICKER				11. Present?	X			12. Signed?	X			13. Dated?	X			SAMPLE TAGS				14. Does DC-1 list tags as being included?	X			15. Present?	X			OTHER DOCUMENTS				16. Complete?	X			17. Legible?	X			18. Original?		X		18a. If "NO", does the copy indicate where original documents are located?	X		
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Audited by:



Audited by:

Signature

Tseng-Ying Fan / ESAT Data Reviewer

Date 2/29/12

Date _____

Printed Name/Title

DC-2

USEPA CLP Organics COC (REGION COPY)

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7979 9728 1226

CHAIN OF CUSTODY RECORD

Case #: 42182

Cooler #: 2

No: 6-013112-185120-0006

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West
Columbia, SC 29172

Lab Phone: 803-791-9700

Organic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Inorganic Sample #	Sample Type
F5AW6	Ground Water/ Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449116 (Ice to 4 C, HCL pH < 2), 6-449117 (Ice to 4 C, HCL pH < 2), 6-449118 (Ice to 4 C, HCL pH < 2) (3)	WMW-27A	01/31/2012 14:54	MF5AW6	Field Sample
F5AW7	Ground Water/ Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449120 (Ice to 4 C, HCL pH < 2), 6-449121 (Ice to 4 C, HCL pH < 2), 6-449122 (Ice to 4 C, HCL pH < 2) (3)	WMW-27A DUP	01/31/2012 14:54	MF5AW7	Field Duplicate
F5AW8	Ground Water/ Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449124 (Ice to 4 C, HCL pH < 2), 6-449125 (Ice to 4 C, HCL pH < 2), 6-449126 (Ice to 4 C, HCL pH < 2) (3)	WMW-29A	01/31/2012 11:41	MF5AW8	Field Sample
F5AW9	Ground Water/ Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449129 (Ice to 4 C, HCL pH < 2), 6-449130 (Ice to 4 C, HCL pH < 2), 6-449131 (Ice to 4 C, HCL pH < 2) (3)	WMW-31A	01/31/2012 16:00	MF5AW9	Field Sample

Special Instructions:	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: TVOA=Trace VOA - SGM01.2	

Analysis Key: TVOA=Trace VOA - SOM01.2

USEPA CLP Organics COC (REGION COPY)

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7979 9728 1226

CHAIN OF CUSTODY RECORD

WCR 112 Ground Water Plume Site/TX

Case #: 42182

Cooler #: 2

No: 6-013112-185120-0006

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

Special Instructions:	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: TVOA=Trace VOA - SOM01.2	

USEPA CLP Organics COC (REGION COPY)

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7931 6681 4148

CHAIN OF CUSTODY RECORD

WCR 112 Ground Water Plume Site/TX

Case #: 42182

Cooler #: 3

No: 6-013112-191213-0007

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

Special Instructions:	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: LVOA=Low/Medium VOA - SOM01.2	

Shealy Environmental Services, Inc.

SOM01.2 SAMPLE DATA PACKAGE

CASE #: 42182

SDG #:

F5AW6

LAB CODE: SHEALY

CONTRACT #: EPW11035

The sample data package includes data for all analyses of all samples in this Sample Delivery Group (SDG).

The sample data package consists of the following:

- A. SDG Narrative
- B. SDG Cover sheet and Traffic Report/Chain of Custody Records (TR/COC)
- C. Trace Volatiles Data
- D. Trace SIM Volatiles Data (Not applicable)
- E. Volatiles Data
- F. Semivolatiles Data (Not applicable)
- G. Semivolatiles SIM Data (Not applicable)
- H. Pesticides Data (Not applicable)
- I. Aroclors Data (Not applicable)
- J. Herbicides Data (Not applicable)
- K. Miscellaneous Data

A. SDG Narrative

Shealy Environmental Services, Inc.

SDG Narrative

Date: 02/22/2012

Case: 42182

SDG: F5AW6

SOW: SOM01.2

Contract #: EPW11035

EPA Sample Numbers

EPA Sample Number	TVOA Fraction	DL/RE	VOA Fraction	DL/RE	Aqueous VOA pH
F5AW6	Yes	No	No	No	<2
F5AW7	Yes	No	No	No	<2
F5AW8	Yes	No	No	No	<2
F5AW9	Yes	No	No	No	<2
F5AX0	Yes	No	No	No	<2
F5AX1	No	No	Yes	No	<2
F5AX2	No	No	Yes	No	<2
F5AX3	Yes	No	No	No	<2
F5AX4	Yes	No	No	No	<2
F5AX5	Yes	No	No	No	<2
F5AX6	No	No	Yes	No	<2

Columns	TVOA/TVOA: SIM DB-624, 30m x 0.18mm x 1.4um VOA: DB-624, 30m x 0.18mm x 1.4um
Trap	OI Trap #10

TVOA/ TVOA SIM/VOA Equation	<p>Water sample concentration (ug/L) = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)}$</p> <p>Soil sample concentration (ug/Kg) = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(W_s)(D)}$</p> <p>Where</p> <p>$A_x$ is the area of the characteristic ion (EICP) for the compound to be measured.</p> <p>A_{is} is the area of the characteristic ion (EICP) for the internal standard.</p> <p>I_s is the amount of internal standard added, in ng.</p> <p>RRF is the mean relative response factor from the initial calibration.</p> <p>DF is the dilution factor.</p> <p>V_o is total volume of water purged, in mL.</p> <p>W_s is the weight of sample added to the purge tube in g.</p> <p>$D = \frac{100 - \% \text{ moisture}}{100}$</p>
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Sample Receiving

The eleven (11) aqueous listed above were received in sealed shipping containers on February 02, 2012. The cooler temperatures associated with these samples were 1.0 and 1.4 °C.

All cooler temperatures are determined using a calibrated Fluke 66 IR thermometer.

Sample tags were received at the laboratory for all samples in this SDG and are included in this data package.

TVOA Fraction

Chloromethane was detected above the Contract Required Quantitation Limit (CRQL) in the VHBLK01 storage blank. This storage blank was re-analyzed with similar results. Since Chloromethane was not detected above the CRQL in any of method blanks in this SDG, we have attributed this contamination to be an isolated case involving only the storage blank. Also, this analyte was not detected above the CRQL in any of the samples in this SDG.

The continuing calibration verification (CCV) standard VSTD005MD met the acceptance limits for an opening CCV and served as both an opening CCV as well as a closing CCV. The acceptance criteria presented on Form VII are of the opening CCV, since those are more stringent

The continuing calibration verification (CCV) standard VSTD005MG met the acceptance limits for an opening CCV and served as both an opening CCV as well as a closing CCV. The acceptance criteria presented on Form VII are of the opening CCV, since those are more stringent

The percent difference of 2-Butanone-d₅ DMC in the closing CCV VSTD005M1 was outside the acceptance limit. Due to an analyst's oversight, samples F5AW6, F5AW7, F5AW8, F5AW9, F5AX0, and F5AX3 associated with this CCV, were not re-analyzed and the results are being reported without any corrective action.

The peak eluting at ~4.6 min on MSD8 in all analyses is Pentafluorobenzene. This is an internal standard compound that is not being used for quantitation. This compound is not being identified as a TIC.

The peak eluting at ~7.1 min on MSD8 in all analyses is an extra DMC in the standard that is not being used for quantitation. This compound is not being identified as a TIC.

See the attached Manual Integration Report for a listing of all manual integrations associated with the samples and standards in this SDG. Unless otherwise noted, manual integrations were performed due to incorrect auto integration.

As per the SOW, an example calculation is attached for Vinyl Chloride-d₃ in sample F5AW6.

Volatiles Fraction

The continuing calibration verification (CCV) standard VSTD050PL met the acceptance limits for an opening CCV and served as a closing CCV. The acceptance criteria presented on Form VII are of the opening CCV, since those are more stringent.

The percent differences of 1,4-Dioxane and 1,4-Dioxane-d₈ in the closing CCV VSTD050QB were outside the acceptance limits. Due to an analyst's oversight, samples F5AX1, F5AX2, and F5AX6 associated with this CCV, were not re-analyzed and the results are being reported without any corrective action.

The peak eluting at ~5.6 min on MSD5 in all analyses is Pentafluorobenzene. This is an internal standard compound that is not being used for quantitation. This compound is not being identified as a TIC.

The peak eluting at ~7.9 min on MSD5 in all analyses is an extra DMC in the standard that is not being used for quantitation. This compound is not being identified as a TIC.

The peak eluting at ~5.6 min on MSD7 in all analyses is Pentafluorobenzene. This is an internal standard compound that is not being used for quantitation. This compound is not being identified as a TIC.

The peak eluting at ~8.5 min on MSD7 in all analyses is an extra DMC in the standard that is not being used for quantitation. This compound is not being identified as a TIC.

See the attached Manual Integration Report for a listing of all manual integrations associated with the samples and standards in this SDG. Unless otherwise noted, manual integrations were performed due to incorrect auto integration.

As per the SOW, an example calculation is attached for Vinyl Chloride-d₃ in sample F5AX1.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

**Saroj A. Parikh
Data Reviewer
February 22, 2012**

USEPA CLP Inorganics COC (REGION COPY)

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7979 9744 6610

CHAIN OF CUSTODY RECORD

WCR 112 Ground Water Plume Site/TX

Case #: 42182

Cooler #: 1

No: 6-013112-182428-0005

Lab: MITKEM

Lab_Address2: 175 Metro Center Blvd., Warwick, RI
02886

Lab Phone: 401-732-3400

Sample(s) to be used for Lab QC: MF5AW8	Shipment for Case Complete? Y
	Samples Transferred From Chain of Custody #
Analysis Key: TM ICP-AES=Total Metals ISM01.3/ICP-AES	

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2

LABORATORY NAME Shealy Environmental Services, Inc.

CITY/STATE West Columbia, SC

CASE NO. 42182 SDG NO. F5AW6

SDG NOS. TO FOLLOW N/A

MOD. REF. NO. N/A

CONTRACT NO. EP-W-11-035

SOW NO. SOM01.2

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

	<u>PAGE NOS</u>		<u>CHECK</u>	
	<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>USEPA</u>
1. <u>Inventory Sheet</u> (Form DC-2) (Do not number)			X	✓
2. <u>SDG Case Narrative</u>	<u>2</u>	<u>9</u>	X	✓
3. <u>SDG Cover Sheet/Traffic Report</u>	<u>10</u>	<u>14</u>	X	✓
4. <u>Trace Volatiles Data</u>				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1 and VOA-2)	<u>17</u>	<u>19</u>	X	✓
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA) (if requested by USEPA Region)	<u>N/A</u>	<u>N/A</u>	X	✓
Method Blank Summary (Form IV VOA)	<u>20</u>	<u>23</u>	X	✓
GC/MS Instrument Performance Check (Form V VOA)	<u>24</u>	<u>27</u>	X	✓
Internal Standard Area and RT Summary (Form VIII VOA)	<u>28</u>	<u>31</u>	X	✓
b. Sample Data	<u>32</u>	<u>143</u>	X	✓
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)			X	✓
Tentatively Identified Compounds (Form I VOA-TIC)			X	✓
Reconstructed total ion chromatograms (RIC) for each sample			X	✓
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds identified			X	✓
Quantitation reports			X	✓
Mass Spectra of all reported TICs with three best library matches			X	✓
c. Standards Data (All Instruments)	<u>144</u>	<u>219</u>		
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)			X	✓
RICs and Quantitation Reports for all Standards			X	✓
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)			X	✓
RICs and Quantitation Reports for all Standards			X	✓
d. Raw/Quality Control (QC) Data				
BFB	<u>221</u>	<u>230</u>	X	✓
Blank Data	<u>231</u>	<u>267</u>	X	✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. <u>42182</u>	SDG NO. <u>F5AW6</u>	SDG NOS. TO FOLLOW <u>N/A</u>
<hr/>		
MOD. REF. NO. <u>N/A</u>		

	PAGE NOS		CHECK	
	FROM	TO	LAB	USEPA
Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	<u>✓</u>
e. Trace SIM Data (Place at the end of the Trace Volatiles Section) [Form I VOA-SIM; Form II VOA-SIM1 and VOA-SIM2; Form IV-VOA-SIM; Form VI VOA-SIM; Form VII VOASIM; Form VIII VOA-SIM; and all raw data for QC, Samples, and Standards.]	<u>N/A</u>	<u>N/A</u>	<u>X</u>	<u>✓</u>
5. <u>Low/Med Volatiles Data</u>				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1, VOA-2, VOA-3, VOA-4)	<u>270</u>	<u>272</u>	<u>X</u>	<u>✓</u>
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA-1 and VOA-2) (if requested by USEPA Region)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	<u>✓</u>
Method Blank Summary (Form IV VOA)	<u>273</u>	<u>275</u>	<u>X</u>	<u>✓</u>
GC/MS Instrument Performance Check (Form V VOA)	<u>276</u>	<u>279</u>	<u>X</u>	<u>✓</u>
Internal Standard Area and RT Summary (Form VIII VOA)	<u>280</u>	<u>282</u>	<u>X</u>	<u>✓</u>
b. Sample Data	<u>283</u>	<u>324</u>		
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)			<u>X</u>	<u>✓</u>
Tentatively Identified Compounds (Form I VOA-TIC)			<u>X</u>	<u>✓</u>
Reconstructed total ion chromatograms (RIC) for each sample			<u>X</u>	<u>✓</u>
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds identified			<u>X</u>	<u>✓</u>
Quantitation reports			<u>X</u>	<u>✓</u>
Mass Spectra of all reported TICs with three best library matches			<u>X</u>	<u>✓</u>
c. Standards Data (All Instruments)	<u>325</u>	<u>405</u>		
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)			<u>X</u>	<u>✓</u>
RICs and Quantitation Reports for all Standards			<u>X</u>	<u>✓</u>
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)			<u>X</u>	<u>✓</u>
RICs and Quantitation Reports for all Standards			<u>X</u>	<u>✓</u>
d. Raw/Quality Control (QC) Data				
BFB	<u>407</u>	<u>417</u>	<u>X</u>	<u>✓</u>
Blank Data	<u>418</u>	<u>444</u>	<u>X</u>	<u>✓</u>

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO.	<u>42182</u>	SDG NO.	<u>F5AW6</u>	SDG NOS. TO FOLLOW	<u>N/A</u>
MOD. REF. NO. <u>N/A</u>					

	PAGE NOS		CHECK	
	FROM	TO	LAB	USEPA
Martix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	<u>✓</u>
6. Semivolatiles Data				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II SV-1, SV-2, SV-3, SV-4)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III SV-1 and SV-2) (if requested by USEPA Region)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
Method Blank Summary (Form IV SV)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
GC/MS Instrument Performance Check (Form V SV)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
Internal Standard Area and RT Summary (Form VIII SV-1 and SV-2)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
b. Sample Data	<u>N/A</u>	<u>N/A</u>		
TCL Results - Organics Analysis Data Sheet (Form I SV-1 and SV-2)			<u>X</u>	
Tentatively Identified Compounds (Form I SV-TIC)			<u>X</u>	
Reconstructed total ion chromatograms (RICs) for each sample			<u>X</u>	
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds			<u>X</u>	
Quantitation reports			<u>X</u>	
Mass Spectra of TICs with three best library matches			<u>X</u>	
GPC chromatograms (if GPC is required)			<u>N/A</u>	
c. Standards Data (All Instruments)	<u>N/A</u>	<u>N/A</u>		
Initial Calibration Data (Form VI SV-1, SV-2, SV-3)			<u>X</u>	
RICs and Quantitation Reports for all Standards			<u>X</u>	
Continuing Calibration Data (Form VII SV-1, SV-2, SV-3)			<u>X</u>	
RICs and Quantitation Reports for all Standards			<u>X</u>	
d. Raw QC Data				
DFTPP	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
Blank Data	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
MS/MSD Data (if requested by USEPA Region)	<u>N/A</u>	<u>N/A</u>	<u>X</u>	
e. Raw GPC Data	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>✓</u>

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. <u>42182</u>	SDG NO. <u>F5AW6</u>	SDG NOS. TO FOLLOW <u>N/A</u>
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MOD. REF. NO. <u>N/A</u>		

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	<u>FROM</u>	<u>TO</u>
	<u>N/A</u>	<u>N/A</u>
	<u>LAB</u>	<u>USEPA</u>

f. Semivolatile SIM Data

[Form I SV-SIM; Form II SV-SIM1 and SV-SIM2; Form III SV-SIM1 and SV-SIM2 (if required); Form IV SV-SIM; Form VI SV-SIM; Form VII SV-SIM; Form VIII SV-SIM1 and SV-SIM2; and all raw data for QC, Samples, and Standards.]

7. Pesticides Data

a. QC Summary

Surrogate Recovery Summary (Form II PEST-1 and PEST-2)

<u>N/A</u>	<u>N/A</u>	<u>X</u>	
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Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III PEST-1 and PEST-2)

<u>N/A</u>	<u>N/A</u>	<u>X</u>	
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Laboratory Control Sample Recovery (Form III PEST-3 and PEST-4)

<u>N/A</u>	<u>N/A</u>	<u>X</u>	
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Method Blank Summary (Form IV PEST)

<u>N/A</u>	<u>N/A</u>	<u>X</u>	
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b. Sample Data

<u>N/A</u>	<u>N/A</u>		
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TCL Results - Organics Analysis Data Sheet (Form I PEST)

<u>X</u>			
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Chromatograms (Primary Column)

<u>X</u>			
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Chromatograms from second GC column confirmation

<u>X</u>			
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GC Integration report or data system printout

<u>X</u>			
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Manual work sheets

<u>X</u>			
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For pesticides by GC/MS

Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)

<u>x</u>			
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c. Standards Data

<u>N/A</u>	<u>N/A</u>		
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Initial Calibration of Single Component Analytes (Form VI PEST-1 and PEST-2)

<u>X</u>			
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Toxaphene Initial Calibration (Form VI PEST-3 and PEST-4)

<u>X</u>			
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Analyte Resolution Summary (Form VI PEST-5, per column)

<u>X</u>			
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Performance Evaluation Mixture (Form VI PEST-6)

<u>X</u>			
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Individual Standard Mixture A (Form VI PEST-7)

<u>X</u>			
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Individual Standard Mixture B (Form VI PEST-8)

<u>X</u>			
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Individual Standard Mixture C (Form VI PEST-9 and PEST-10)

<u>X</u>			
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Calibration Verification Summary (Form VII PEST-1)

<u>X</u>			
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Calibration Verification Summary (Form VII PEST-2)

<u>X</u>			
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Calibration Verification Summary (Form VII PEST-3)

<u>X</u>			
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ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. <u>42182</u>	SDG NO. <u>F5AW6</u>	SDG NOS. TO FOLLOW <u>N/A</u>
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MOD. REF. NO. <u>N/A</u>		

	<u>PAGE NOS</u>		<u>CHECK</u>	
	<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>USEPA</u>
Calibration Verification Summary (Form VII PEST-4)			X	✓
Analytical Sequence (Form VIII PEST)			X	
Florisil Cartridge Check (Form IX PEST-1)			X	
Pesticide GPC Calibration (Form IX PEST-2)			X	
Identification Summary for Single Component Analytes (Form X PEST-1)			X	
Identification Summary for Toxaphene (Form X PEST-2)			X	
Chromatograms and data system printouts A printout of Retention Times and corresponding peak areas or peak heights			X	
d. Raw QC Data				
Blank Data	<u>N/A</u>	<u>N/A</u>	X	
Matrix Spike/Matrix Spike Duplicate Data	<u>N/A</u>	<u>N/A</u>	X	
Laboratory Control Sample Data	<u>N/A</u>	<u>N/A</u>	X	
e. Raw GPC Data	<u>N/A</u>	<u>N/A</u>	X	
f. Raw Florisil Data	<u>N/A</u>	<u>N/A</u>	X	
8. <u>Aroclor Data</u>				
a. QC Summary				
Surrogate Recovery Summary (Form II ARO-1 and ARO-2)	<u>N/A</u>	<u>N/A</u>	X	
Matrix Spike/Matrix Spike Duplicate Summary (Form III ARO-1 and ARO-2)	<u>N/A</u>	<u>N/A</u>	X	
Laboratory Control Sample Recovery (Form III ARO-3 and ARO-4)	<u>N/A</u>	<u>N/A</u>	X	
Method Blank Summary (Form IV ARO)	<u>N/A</u>	<u>N/A</u>	X	
b. Sample Data	<u>N/A</u>	<u>N/A</u>		
TCL Results - Organics Analysis Data Sheet (Form I ARO)			X	
Chromatograms (Primary Column)			X	
Chromatograms from second GC column confirmation			X	
GC Integration report or data system printout			X	
Manual work sheets			X	
For Aroclors by GC/MS				
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			X	✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. <u>42182</u>	SDG NO. <u>F5AW6</u>	SDG NOS. TO FOLLOW <u>N/A</u>
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MOD. REF. NO. <u>N/A</u>		

	PAGE NOS		CHECK	
	FROM	TO	LAB	USEPA
c. Standards Data	<u>N/A</u>	<u>N/A</u>		
Aroclors Initial Calibration (Form VI ARO-1, ARO-2, and ARO-3)			x	✓
Calibration Verification Summary (Form VII ARO-1)			x	
Analytical Sequence (Form VIII ARO)			x	
Identification Summary for Multicomponent Analytes (Form X ARO)			x	
Chromatograms and data system printouts A printout of Retention Times and corresponding peak areas or peak heights			x	
d. Raw QC Data				
Blank Data	<u>N/A</u>	<u>N/A</u>	x	
Matrix Spike/Matrix Spike Duplicate Data	<u>N/A</u>	<u>N/A</u>	x	
Laboratory Control Sample (LCS) Data	<u>N/A</u>	<u>N/A</u>	x	
e. Raw GPC Data (if performed)	<u>N/A</u>	<u>N/A</u>	x	✓
9. <u>Miscellaneous Data</u>				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	<u>445</u>	<u>493</u>	x	✓
Internal sample and sample extract transfer chain-of-custody records	<u>N/A</u>	<u>N/A</u>	x	✓
Screening records	<u>N/A</u>	<u>N/A</u>	x	✓
All instrument output, including strip charts from screening activities (describe or list)				
10. <u>EPA Shipping/Receiving Documents</u>				
Airbills (No. of shipments <u>2</u>)	<u>494</u>	<u>495</u>	x	✓
Chain of Custody Records	<u>496</u>	<u>498</u>	x	✓
Sample Tags			x	✓
Sample Log-in Sheet (Lab & DC-1)	<u>499</u>	<u>500</u>	x	✓
Miscellaneous Shipping/Receiving Records (describe or list)				

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. <u>42182</u>	SDG NO. <u>F5AW6</u>	SDG NOS. TO FOLLOW <u>N/A</u>
MOD. REF. NO. <u>N/A</u>		

PAGE NOS		CHECK	
FROM	TO	LAB	USEPA

11. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)

N/A

N/A

12. Other Records (describe or list)

E-mail

501 502

✓

13. Comments

Pages 15, 16, 268, 269, and 406 are section title pages.

N/A

JJ
2/29/2012

Completed by:
(CLP Lab)

S. A. Parikh

(Signature)

Saroj A. Parikh/Data Reviewer

02/22/12

(Printed Name/Title)

(Date)

Verified by:
(CLP Lab)

Kerry S. Hinshaw

(Signature)

Kerry S. Hinshaw/Technical Director

02/22/12

(Printed Name/Title)

(Date)

Audited by:
(USEPA)

Tseng-Ying Fan

(Signature)

TSENG-YING FAN/Data Reviewer

2/29/2012

(Printed Name/Title)

(Date)

ESAT

CASE: 42182
SDG: F5AW6

Example Calculation for the Trace Volatile Fraction

RRF Calculation

$$\text{RRF} = (\text{Ax} * \text{Cis}) / (\text{Ais} * \text{Cx})$$

Where:
Ax=Area of the characteristic ion (EICP) for the compound to be measured
Ais=Area of the characteristic ion (EICP) for the specific internal standard
Cis=Concentration of the internal standard
Cx=Concentration of the compound to be measured

Example: Vinyl Chloride-d₃ from VSTD005MG

Ax=	162865
Ais=	855271
Cis=	125
Cx=	125

RRF= 0.1904

Mean RRF from ICAL 0.2202

Concentration Calculation

$$\text{Concentration (ug/L)} = (\text{Ax} * \text{Is} * \text{Df}) / (\text{Ais} * \text{RRF} * \text{Vo})$$

Where:
Ax=Area of the characteristic ion (EICP) for the compound to be measured
Ais=Area of the characteristic ion (EICP) for the specific internal standard
Is=Amount of the internal standard added, in nanograms
Mean RRF=Relative response factor from the Initial calibration standard
Vo=Total volume of water purged, in milliliters
Df=Dilution factor

Example: Vinyl Chloride-d₃ from F5AW6

Ax=	216643
Ais=	964646
Is=	125
Mean RRF=	0.2202
Vo=	25
Df=	1

Concentration (ug/L)= 5.100

CASE: 42182
SDG: F5AW6

Example Calculation for the Volatile Fraction

RRF Calculation

$$\text{RRF} = (\text{Ax} * \text{Cis}) / (\text{Ais} * \text{Cx})$$

Where:
Ax=Area of the characteristic ion (EICP) for the compound to be measured
Ais=Area of the characteristic ion (EICP) for the specific internal standard
Cis=Concentration of the internal standard
Cx=Concentration of the compound to be measured

Example: Vinyl chloride-d₃ from VSTD050PL

Ax= 734542
Ais= 3829647
Cis= 250
Cx= 250

$$\text{RRF}= 0.19180$$

Mean RRF from ICAL 0.21972

Concentration Calculation

$$\text{Concentration(ug/L)} = (\text{Ax} * \text{Is} * \text{Df}) / (\text{Ais} * \text{RRF} * \text{Vo})$$

Where:
Ax=Area of the characteristic ion (EICP) for the compound to be measured
Ais=Area of the characteristic ion (EICP) for the specific internal standard
Is=Amount of the internal standard added, in nanograms
Mean RRF=Relative response factor from the Initial calibration standard
Vo=Total volume of water purged, in milliliters
Df=Dilution factor

Example: Vinyl chloride-d₃ from F5AX1

Ax= 818747
Ais= 3665225
Is= 250
Mean RRF= 0.21972
Vo= 5
Df= 1

$$\text{Concentration(ug/L)}= 50.833$$

MANUAL INTEGRATION REPORT
VOA TRACE

Lab Name : Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Reviewer: S.A. Parker

Date: 02/21/12

Page: 1 of 1

MANUAL INTEGRATION REPORT
VOA LOW MED

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: SDG No.: F5AW6

Reviewer: S.A. Panius

Date: 02/22/12

Page: 1 of 1

**B. SDG Cover sheet and Traffic Report/Chain
of Custody (TR/COC)**

SDG Cover sheet (original)

TR/COCs for all of the samples in the SDG
(Copy).



Contract Laboratory Program

Sample Delivery Group (SDG) Cover Sheet

SDG Number	F5AW6	Case Number	42182	Contract Number	EPW11035
Lab Code	Shealy	SDG Turnaround	21 Days	Delivery CLIN(s)	0045

First Sample Received in SDG	F5AW6	Last Sample Received in SDG	F5AX6
First Sample Receipt Date	02/02/12	Last Sample Receipt Date	02/02/12

USEPA Sample Numbers in SDG (Listed in Numerical Order)

CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
1 F5AW6	Water	TVOA	n/a	n/a
2 F5AW7	Water	TVOA	n/a	n/a
3 F5AW8	Water	TVOA	n/a	n/a
4 F5AW9	Water	TVOA	n/a	n/a
5 F5AX0	Water	TVOA	n/a	n/a
6 F5AX1	Water	LVOA	n/a	n/a
7 F5AX2	Water	LVOA	n/a	n/a
8 F5AX3	Water	TVOA	n/a	n/a
9 F5AX4	Water	TVOA	n/a	n/a
10 F5AX5	Water	TVOA	n/a	n/a
11 F5AX6	Water	LVOA	n/a	n/a
12				
13				
14				
15				
16				
17				
18				
19				
20				

Note: There are a maximum of 20 **field samples** (excluding PE samples) in an SDG. Attach TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Signature

Date

02/03/12

USEPA CLP Organics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7979 9728 1226

Case #: 42182

Cooler #: 2

F5AWO

EPW11035

No: 6-013112-185120-0006

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

Organic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Inorganic Sample #	For Lab Use Only
F5AW6	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449116 (Ice to 4 C, HCL pH < 2), 6-449117 (Ice to 4 C, HCL pH < 2), 6-449118 (Ice to 4 C, HCL pH < 2) (3)	WMW-27A	01/31/2012 14:54	MF5AW6	<i>JK</i>
F5AW7	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449120 (Ice to 4 C, HCL pH < 2), 6-449121 (Ice to 4 C, HCL pH < 2), 6-449122 (Ice to 4 C, HCL pH < 2) (3)	WMW-27A DUP	01/31/2012 14:54	MF5AW7	<i> </i>
F5AW8	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449124 (Ice to 4 C, HCL pH < 2), 6-449125 (Ice to 4 C, HCL pH < 2), 6-449126 (Ice to 4 C, HCL pH < 2) (3)	WMW-29A	01/31/2012 11:41	MF5AW8	<i> </i>
F5AW9	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449129 (Ice to 4 C, HCL pH < 2), 6-449130 (Ice to 4 C, HCL pH < 2), 6-449131 (Ice to 4 C, HCL pH < 2) (3)	WMW-31A	01/31/2012 16:00	MF5AW9	<i> </i>

Special Instructions:	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: TVOA=Trace VOA - SOM01.2	

Temp 1.0

F5ANb

EPW11035

No: 6-013112-185120-0006

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

CHAIN OF CUSTODY RECORD

USEPA CLP Organics COC (LAB COPY)

DateShipped: 2/1/2012

CarrierName: FedEx

AirbillNo: 7979 9728 1226

Case #: 42182

Cooler #: 2

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Special Instructions:	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: TVOA=Trace VOA - SOM01.2	

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	John Logan	1/31/12	JH	1/31/12	1800						
	JH	2/1/12									
							Ed Gx	2/2/12	PM	2/2/12	0900

Temp 1-0

USEPA CLP Organics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7931 6681 4148

Case #: 42182

Cooler #: 3

No: 6-013112-191213-0007

GPW 11035

No: 6-013112-191213-0007

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

Special Instructions:	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: LVOA=Low/Medium VOA - SOM01.2	

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	JL	1/31/12	JL	1/31/12	1800						
	JL	2/1/12									
							Jelle	2/2/12	J	2/2/12	0900

Temp 1.4

SOM01.2 SAMPLE DATA PACKAGE

CASE #: 42182

SDG #: F5AW6

LAB CODE: SHEALY

CONTRACT #: EPW11035

C. Trace Volatiles Data

- 1. Volatiles QC Summary**
- 2. Volatiles Sample Data**
- 3. Volatiles Standards Data**
- 4. Volatiles Raw QC Data**

1. Volatiles QC Summary

- a. Deuterated Monitoring Compound (DMC)
Recovery
(Form II VOA)
- b. Matrix Spike/Matrix Spike Duplicate Recovery
(Form III VOA)
- c. Method Blank Summary
(Form IV VOA)
- d. GC/MS Instrument Performance Check
(Form V VOA)
- e. Internal Standard Area and RT Summary
(Form VIII VOA)

a. Deuterated Monitoring Compound
(DMC) Recovery
(Form II VOA)

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKMG	111	108	89	138	106	101	109
02	F5AW6	102	102	86	82	103	99	112
03	F5AW7	110	111	94	85	111	107	116
04	F5AW8	122	123	100	88	117	109	119
05	F5AW9	118	115	95	87	107	105	110
06	F5AX0	122	118	117 *	87	113	109	119
07	F5AX3	115	112	95	81	111	108	116
08	VBLKMD	94	91	76	96	92	90	93
09	F5AX4	95	95	73	82	89	87	91
10	F5AX5	93	88	72	76	87	86	92
11	VBLKOB	101	97	86	82	108	125	100
12	VHBLK01	96	87	86	76	109	125	104
13								
14								
15								
16								
17								
18								
19								
20								
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22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

VDMC1 (VCL) = Vinyl chloride-d ₃	(65-131)
VDMC2 (CLA) = Chloroethane-d ₅	(71-131)
VDMC3 (DCE) = 1,1-Dichloroethene-d ₂	(55-104)
VDMC4 (BUT) = 2-Butanone-d ₅	(49-155)
VCMD5 (CLF) = Chloroform-d	(78-121)
VDMC6 (DCA) = 1,2-Dichloroethane-d ₄	(78-129)
VDMC7 (BEN) = Benzene-d ₆	(77-124)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT
01	VBLKMG	97	109	102	135		100	104	0
02	F5AW6	99	111	95	89		104	108	0
03	F5AW7	101	114	97	90		104	111	0
04	F5AW8	105	118	103	92		109	114	0
05	F5AW9	97	113	100	94		107	111	0
06	F5AX0	103	118	101	93		109	114	1
07	F5AX3	101	115	97	90		105	112	0
08	VBLKMD	83	94	90	99		95	92	0
09	F5AX4	81	90	86	87		92	90	0
10	F5AX5	80	90	81	85		88	91	0
11	VBLKOB	84	104	108	95		97	104	0
12	VHBLK01	87	107	106	69		97	109	0
13									
14									
15									
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30									

QC LIMITS

VDMC8 (DPA) = 1,2-Dichloropropane-d ₆	(79-124)
VMD9 (TOL) = Toluene-d ₈	(77-121)
VDMC10 (TDP) = trans-1,3-Dichloropropene-d ₄	(73-121)
VDMC11 (HEX) = 2-Hexanone-d ₅	(28-135)
VDMC12 (DXE) = 1,4-Dioxane-d ₈	(50-150)
VDMC13 (TCA) = 1,1,2,2-Tetrachloroethane-d ₂	(73-125)
VDMC14 (DCZ) = 1,2-Dichlorobenzene-d ₄	(80-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

Report 1,4-Dioxane-d₈ for Low-Medium VOA analysis only

c. Method Blank Summary (Form IV
VOA)

Arrange in chronological order by date of analysis of the
blanks and by instrument.

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

VBLKMD

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182Mod. Ref No.: _____ SDG No.: F5AW6Lab File ID: 80209a02Lab Sample ID: NQ77397-001Instrument ID: MSD8Matrix: (SOIL/SED/WATER) WaterDate Analyzed: 02/09/2012Level: (TRACE or LOW/MED) TRACETime Analyzed: 0653GC Column: DB-624 ID: 0.18 (mm)Heated Purge: (Y/N) N

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 F5AX4	NB02045-007	80209a03	0805
02 F5AX5	NB02045-008	80209a04	0827
03			
04			
05			
06			
07			
08			
09			
10			
11			
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COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

VBLKMG

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182Mod. Ref No.: _____ SDG No.: F5AW6Lab File ID: 80209B03Lab Sample ID: NQ77493-001Instrument ID: MSD8Matrix: (SOIL/SED/WATER) WaterDate Analyzed: 02/09/2012Level: (TRACE or LOW/MED) TRACETime Analyzed: 1837GC Column: DB-624ID: 0.18

(mm)

Heated Purge: (Y/N) N

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 F5AW9	NB02045-004	80209B04	1929
02 F5AX0	NB02045-005	80209B05	1951
03 F5AX3	NB02045-006	80209B06	2013
04 F5AW6	NB02045-001	80209B07	2048
05 F5AW7	NB02045-002	80209B08	2110
06 F5AW8	NB02045-003	80209B09	2131
07			
08			
09			
10			
11			
12			
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COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

VBLKOB

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182Mod. Ref No.: _____ SDG No.: F5AW6Lab File ID: 80215b04Lab Sample ID: NQ77811-001Instrument ID: MSD8Matrix: (SOIL/SED/WATER) WaterDate Analyzed: 02/15/2012Level: (TRACE or LOW/MED) TRACETime Analyzed: 1024GC Column: DB-624 ID: 0.18 (mm)Heated Purge: (Y/N) N

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 <u>VHBLK01</u>	<u>NB02045-009</u>	<u>80215b08a</u>	<u>1212</u>
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
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COMMENTS: _____

**d. GC/MS Instrument Performance Check
(Form V VOA)**

Arrange in chronological order, by instrument.

5A - FORM V VOA
 VOLATILE ORGANIC INSTRUMENT
 PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBLU

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Lab File ID: 80208c01 BFB Injection Date: 02/08/2012

Instrument ID: MSD8 BFB Injection Time: 1706

GC Column: DB-624 ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.6
75	30.0 - 80.0% of mass 95	43.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120% of mass 95	83.7
175	5.0 - 9.0% of mass 174	6.0 (7.2) 1
176	95.0 - 101% of mass 174	80.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 2

1-Value is %mass 174

2-Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD020LU	VSTD020LU	80208c02	02/08/2012	1729
02	VSTD010LU	VSTD010LU	80208c03	02/08/2012	1750
03	VSTD005LU	VSTD005LU	80208c04	02/08/2012	1812
04	VSTD001LU	VSTD001LU	80208c05	02/08/2012	1834
05	VSTD0.5LU	VSTD0.5LU	80208c06	02/08/2012	1856
06	VSTD005MD	VSTD005MD	80208c25	02/09/2012	0423
07	VBLKMD	NQ77397-001	80209a02	02/09/2012	0653
08	F5AX4	NB02045-007	80209a03	02/09/2012	0805
09	F5AX5	NB02045-008	80209a04	02/09/2012	0827
10	VSTD005MG	VSTD005MG	80209a25	02/09/2012	1607
11	VBLKMG	NQ77493-001	80209B03	02/09/2012	1837
12	F5AW9	NB02045-004	80209B04	02/09/2012	1929
13	F5AX0	NB02045-005	80209B05	02/09/2012	1951
14	F5AX3	NB02045-006	80209B06	02/09/2012	2013
15	F5AW6	NB02045-001	80209B07	02/09/2012	2048
16	F5AW7	NB02045-002	80209B08	02/09/2012	2110
17	F5AW8	NB02045-003	80209B09	02/09/2012	2131
18	VSTD005M1	VSTD005M1	80209B24	02/10/2012	0402
19					
20					
21					
22					

5A - FORM V VOA
 VOLATILE ORGANIC INSTRUMENT
 PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBMK

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Lab File ID: 80210c01

BFB Injection Date: 02/10/2012

Instrument ID: MSD8

BFB Injection Time: 1320

GC Column: DB-624 ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 80.0% of mass 95	44.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120% of mass 95	79.4
175	5.0 - 9.0% of mass 174	5.6 (7.0) 1
176	95.0 - 101% of mass 174	75.7 (95.3) 1
177	5.0 - 9.0% of mass 176	5.3 (7.0) 2

1-Value is %mass 174

2-Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD020MK	VSTD020MK	80210c02	02/10/2012	1348
02	VSTD010MK	VSTD010MK	80210c03	02/10/2012	1410
03	VSTD005MK	VSTD005MK	80210c04	02/10/2012	1432
04	VSTD001MK	VSTD001MK	80210c05	02/10/2012	1454
05	VSTD0.5MK	VSTD0.5MK	80210c06	02/10/2012	1516
06					
07					
08					
09					
10					
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12					
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18					
19					
20					
21					
22					

5A - FORM V VOA
 VOLATILE ORGANIC INSTRUMENT
 PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB0B

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Lab File ID: 80215b01 BFB Injection Date: 02/15/2012

Instrument ID: MSD8 BFB Injection Time: 0903

GC Column: DB-624 ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 80.0% of mass 95	51.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 120% of mass 95	78.6
175	5.0 - 9.0% of mass 174	6.4 (8.1) 1
176	95.0 - 101% of mass 174	75.2 (95.6) 1
177	5.0 - 9.0% of mass 176	5.3 (7.0) 2

1-Value is %mass 174

2-Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0050B	VSTD0050B	80215b02	02/15/2012	0925
02	VBLK0B	NQ77811-001	80215b04	02/15/2012	1024
03	VHBLK01	NB02045-009	80215b08a	02/15/2012	1212
04	VSTD005ZX	VSTD005ZX	80215b23	02/15/2012	1741
05					
06					
07					
08					
09					
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22					

e. Internal Standard Area and RT
Summary
(Form VIII VOA)

Arrange in chronological order, by instrument.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

GC Column: DB-624 ID: 0.18 (mm)

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MD

Date Analyzed: 02/09/2012

Lab File ID (Standard): 80208c25

Time Analyzed: 0423

Instrument ID: MSD8

Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	783100	9.440	836899	5.550	377407	11.670
UPPER LIMIT	1096340	9.765	1171659	5.884	528370	12.002
LOWER LIMIT	469860	9.105	502140	5.224	226445	11.342
EPA SAMPLE NO.						
01 VBLKMD	827837	9.440	911985	5.550	440801	11.67
02 F5AX4	850836	9.440	931702	5.550	452226	11.66
03 F5AX5	839860	9.440	930992	5.550	452928	11.67
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (CBZ) = Chlorobenzene-d₅

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d₄

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

GC Column: DB-624 ID: 0.18 (mm)

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MG

Date Analyzed: 02/09/2012

Lab File ID (Standard): 80209a25

Time Analyzed: 1607

Instrument ID: MSD8

Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	777921	9.440	855271	5.550	411416	11.670
UPPER LIMIT	1089090	9.766	1197380	5.884	575983	12.002
LOWER LIMIT	466753	9.106	513163	5.224	246850	11.342
EPA SAMPLE NO.						
01 VBLKMG	826442	9.440	897954	5.540	398831	11.66
02 F5AW6	861374	9.440	964646	5.550	440793	11.67
03 F5AW7	818525	9.440	905093	5.560	416712	11.67
04 F5AW8	782161	9.440	850093	5.550	393417	11.67
05 F5AW9	850898	9.440	912589	5.550	449676	11.67
06 F5AX0	816609	9.440	898798	5.550	422009	11.67
07 F5AX3	809944	9.440	886750	5.550	418234	11.67
08						
09						
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12						
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15						
16						
17						
18						
19						
20						
21						
22						

IS1 (CBZ) = Chlorobenzene-d₅

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d₄

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 02/10/2012 02/10/2012

EPA Sample No. (VSTD#####): VSTD005OB

Date Analyzed: 02/15/2012

Lab File ID (Standard): 80215b02

Time Analyzed: 0925

Instrument ID: MSD8

Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	392062	9.440	439663	5.540	212361	11.660
UPPER LIMIT	548887	9.766	615529	5.873	297306	11.990
LOWER LIMIT	235238	9.106	263798	5.213	127417	11.330
EPA SAMPLE NO.						
01 VBLKOB	378305	9.440	429123	5.550	198425	11.66
02 VHBLK01	374950	9.440	433081	5.550	196184	11.67
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
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17						
18						
19						
20						
21						
22						

IS1 (CBZ) = Chlorobenzene-d₅

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d₄

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

2. Volatiles Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I, VOA-1, VOA-2 and Form I VOA-TIC), followed by the raw data for volatile samples. These sample packets shall be placed in increasing EPA Sample ID number order, considering both letters and numbers.

- a. Target Compound Results
(Form I, VOA-1, VOA-2)
- b. Tentatively Identified Compounds (Form I VOA-TIC)
Lists up to 30 TICs
- c. Quantitation Report showing calculations for TCL analytes
- d. Quantitation Report showing calculations for TICs
- e. Reconstructed Total Ion Chromatograms
- f. Copies of raw spectra and copies of background-subtracted mass spectra of TCL analytes identified in the sample.
- g. Copies of mass spectra of organic compounds not listed in Exhibit C with associated best-match spectra.
- h. Printout of Manual Integrations

Spectra shall be labeled as follows: EPA Sample ID number, lab file ID, date and time of analysis, and instrument ID. The compound name must be clearly marked.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW6

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B07

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.72	
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.5	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.14	J
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.22	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW6

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B07

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.47	JB
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.13	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.3	B
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AW6

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B07

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	10.960	1.1	JB
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B07.D
Lab Smp Id: NB02045-001 Client Smp ID: F5AW6
Inj Date : 09-FEB-2012 20:48
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-001
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 59
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 85 1,4-Dichlorobenzene-d4	11.673	2411838	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
10.963	551432	1.14317783	1.1431	0		0	85

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B07.D
Lab Smp Id: NB02045-001 Client Smp ID: F5AW6
Inj Date : 09-FEB-2012 20:48
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-001
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 59
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl Chloride-d3	65		1.366	1.366 (0.246)		216643	5.10036	5.1003
4 Vinyl Chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.638	1.638 (0.295)		169577	5.10597	5.1059
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorodifluoromethane	101		1.792	1.827 (0.323)		38891	0.72213	0.7221
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.147 (0.387)		331743	4.29212	4.2921
13 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
14 Acetone	43		2.206	2.206 (0.397)		5858	1.47055	1.4705(a)
15 Carbon Disulfide	76					Compound Not Detected.		
16 Methyl Acetate	43					Compound Not Detected.		
17 Methylene Chloride	84					Compound Not Detected.		
20 Methyl tert-Butyl Ether	73					Compound Not Detected.		
21 trans-1,2-Dichloroethene	96					Compound Not Detected.		
23 1,1-Dichloroethane	63		3.223	3.235 (0.580)		10366	0.14225	0.1422(a)
\$ 25 2-Butanone-d5	46		3.886	3.898 (0.700)		326633	41.1793	41.1793(Q)
26 cis-1,2-Dichloroethene	96					Compound Not Detected.		
28 2-Butanone	43					Compound Not Detected.		
29 Bromochloromethane	128					Compound Not Detected.		
\$ 30 Chloroform-d	84		4.312	4.324 (0.776)		358706	5.14069	5.1406(Q)
31 Chloroform	83		4.336	4.348 (0.781)		14165	0.21570	0.2157(aQ)
33 1,1,1-Trichloroethane	97					Compound Not Detected.		

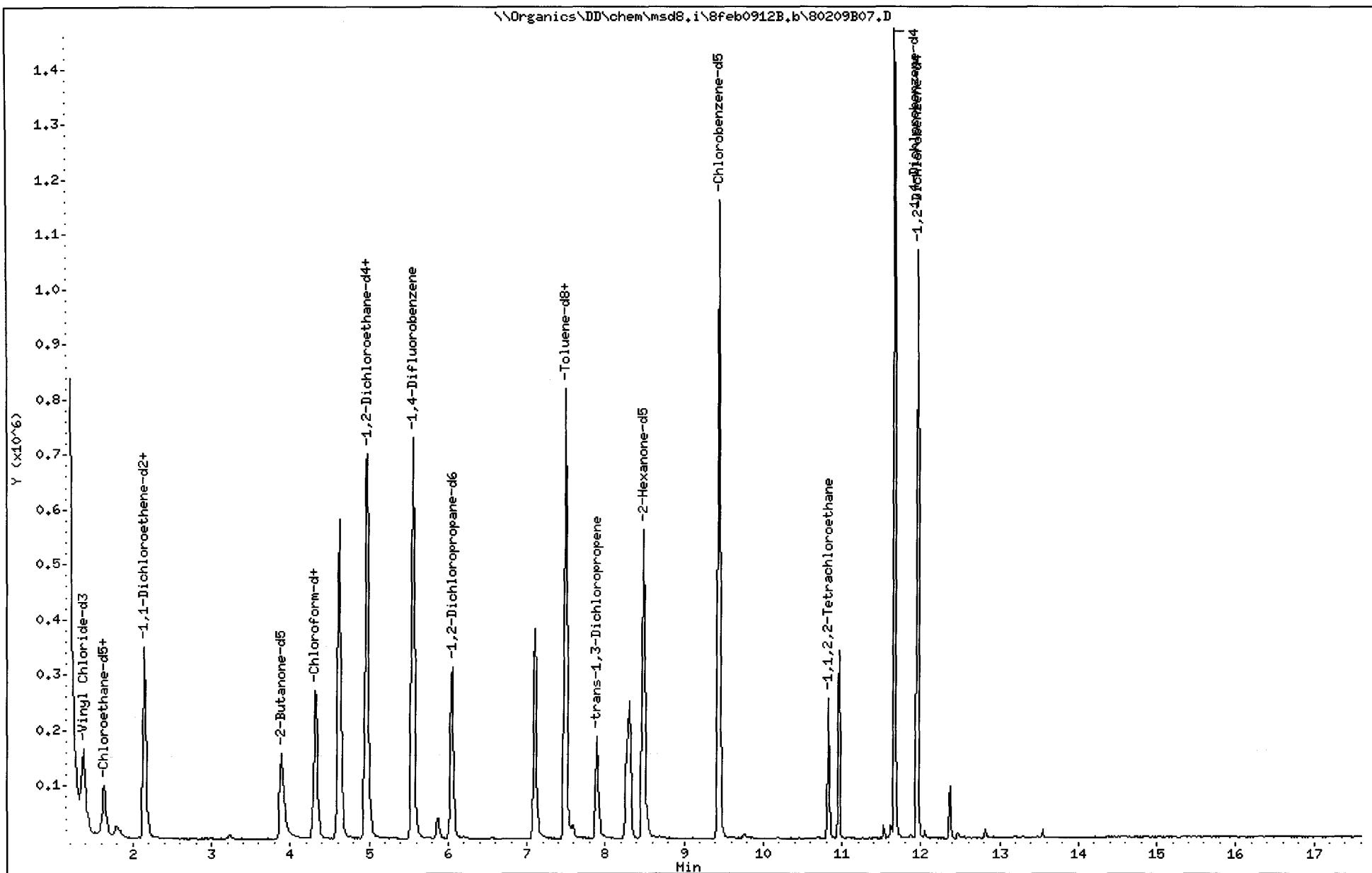
Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
32 Cyclohexane		56				Compound Not Detected.		
34 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.975 (0.893)	132778	4.92516	4.9251	
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)	881709	5.58837	5.5883	
37 Benzene		78				Compound Not Detected.		
39 1,2-Dichloroethane		62				Compound Not Detected.		
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)	964646	5.00000		
42 Trichloroethene		95	5.862	5.874 (0.621)	18709	0.47341	0.4734(a)	
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)	231552	4.93615	4.9361	
43 Methylcyclohexane		83				Compound Not Detected.		
45 1,2-Dichloropropane		63				Compound Not Detected.		
49 Bromodichloromethane		83				Compound Not Detected.		
50 cis-1,3-Dichloropropene		75				Compound Not Detected.		
51 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)	793749	5.53154	5.5315	
53 Toluene		91	7.590	7.590 (0.804)	19679	0.12535	0.1253(a)	
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)	164669	4.75119	4.7511	
55 trans-1,3-Dichloropropene		75				Compound Not Detected.		
56 1,1,2-Trichloroethane		97				Compound Not Detected.		
57 Tetrachloroethene		164	8.312	8.312 (0.881)	77360	2.33972	2.3397	
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)	336459	44.4165	44.4165	
60 2-Hexanone		43				Compound Not Detected.		
61 Dibromochloromethane		129				Compound Not Detected.		
62 1,2-Dibromoethane		107				Compound Not Detected.		
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)	861374	5.00000		
64 Chlorobenzene		112				Compound Not Detected.		
65 Ethylbenzene		91				Compound Not Detected.		
67 m+p-Xylenes		106				Compound Not Detected.		
68 o-Xylene		106				Compound Not Detected.		
69 Styrene		104				Compound Not Detected.		
70 Bromoform		173				Compound Not Detected.		
71 Isopropylbenzene		105				Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)	126026	5.17679	5.1767	
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
83 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)	440793	5.00000		
86 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)	267734	5.38487	5.3848	
89 1,2-Dichlorobenzene		146				Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
 Q - Qualifier signal failed the ratio test.

Data File: \\Organics\\DD\\chem\\msd8.i\\8feb0912B.b\\80209B07.D
Date : 09-FEB-2012 20:48
Client ID: F5AN6
Sample Info: 8feb0912B.b, NB02045-001
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8,i

Sample Info: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

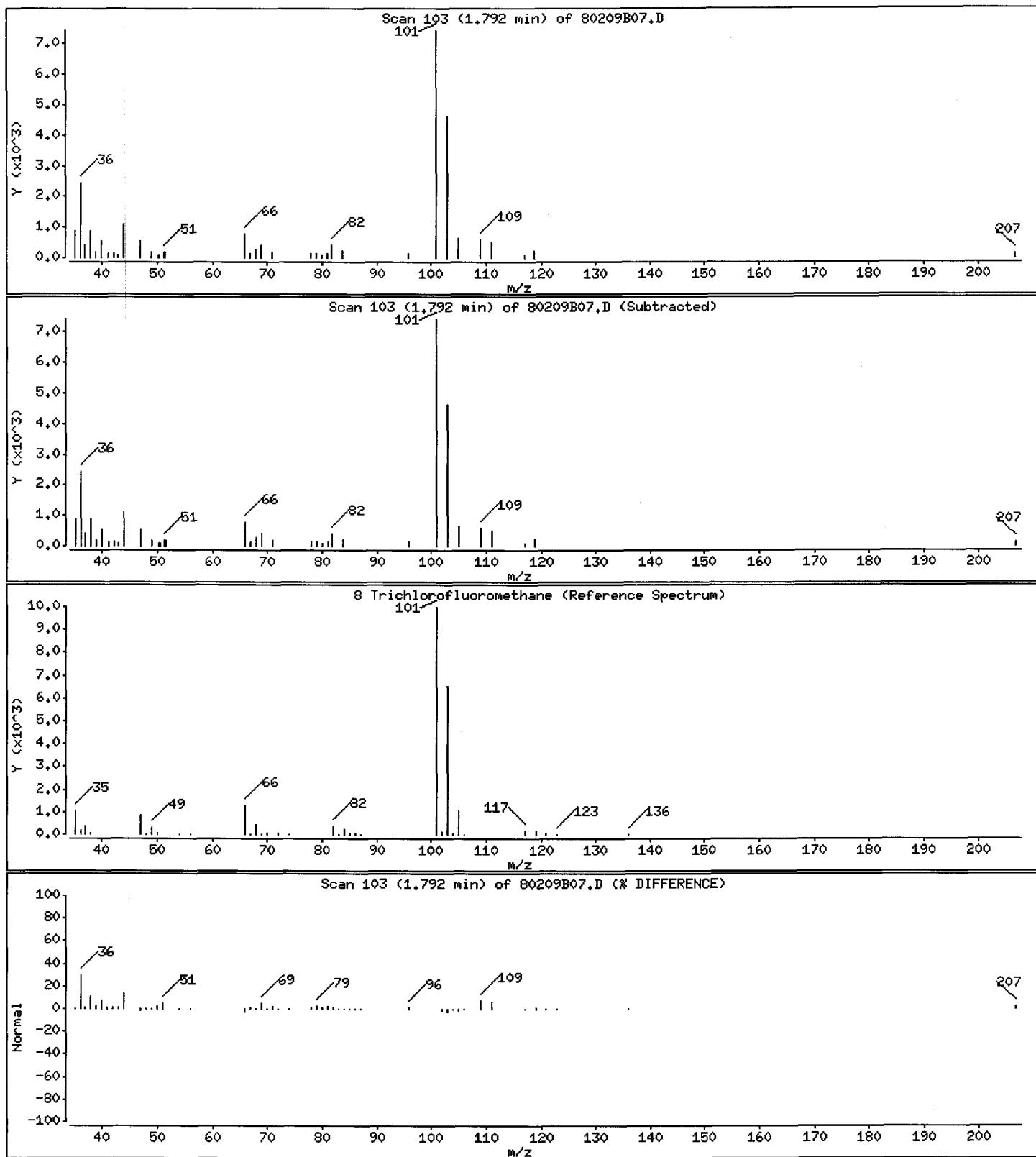
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

8 Trichlorofluoromethane

Concentration: 0.7221 ug/L



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

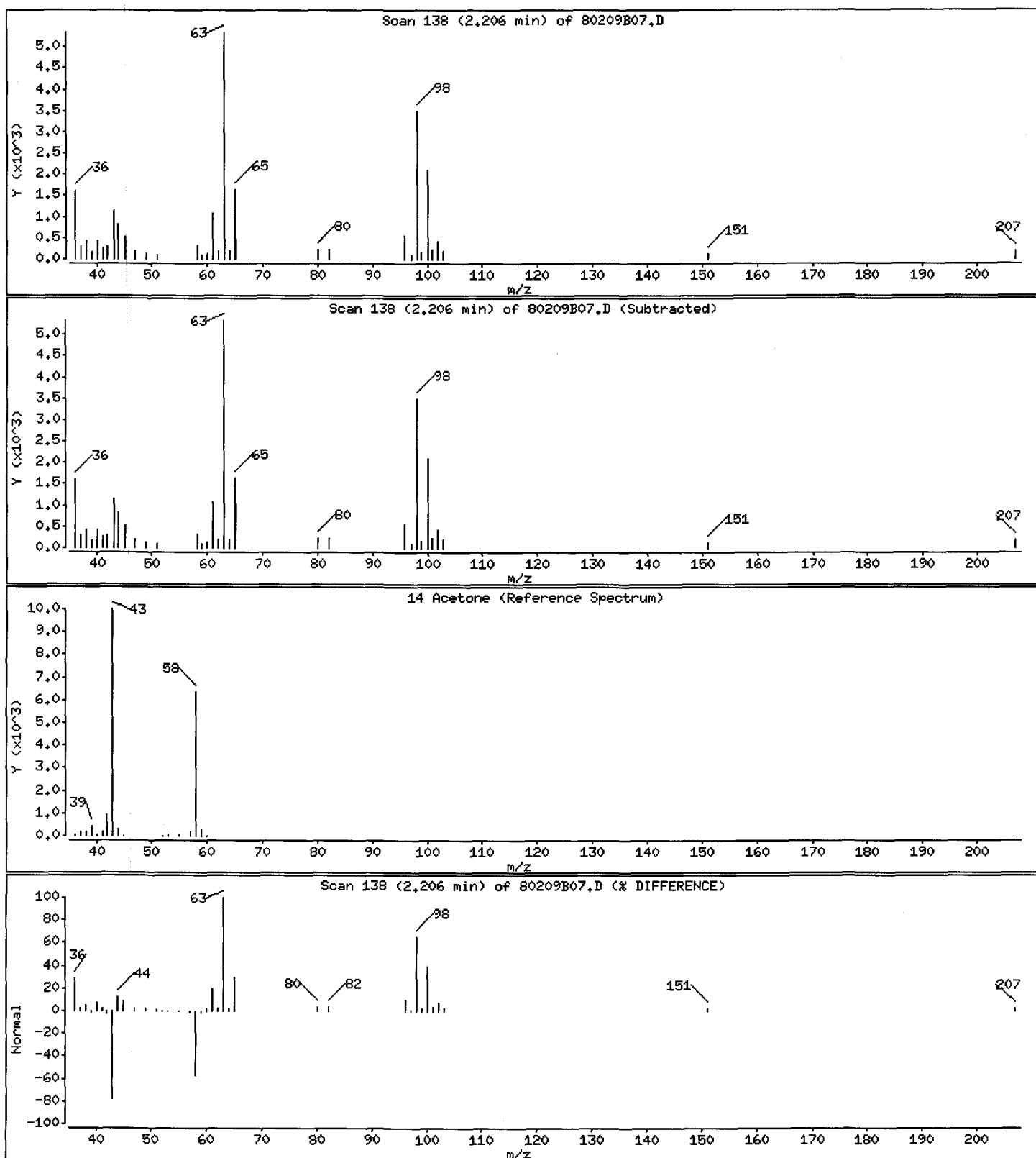
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 1.4705 ug/L



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8,i

Sample Infot: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

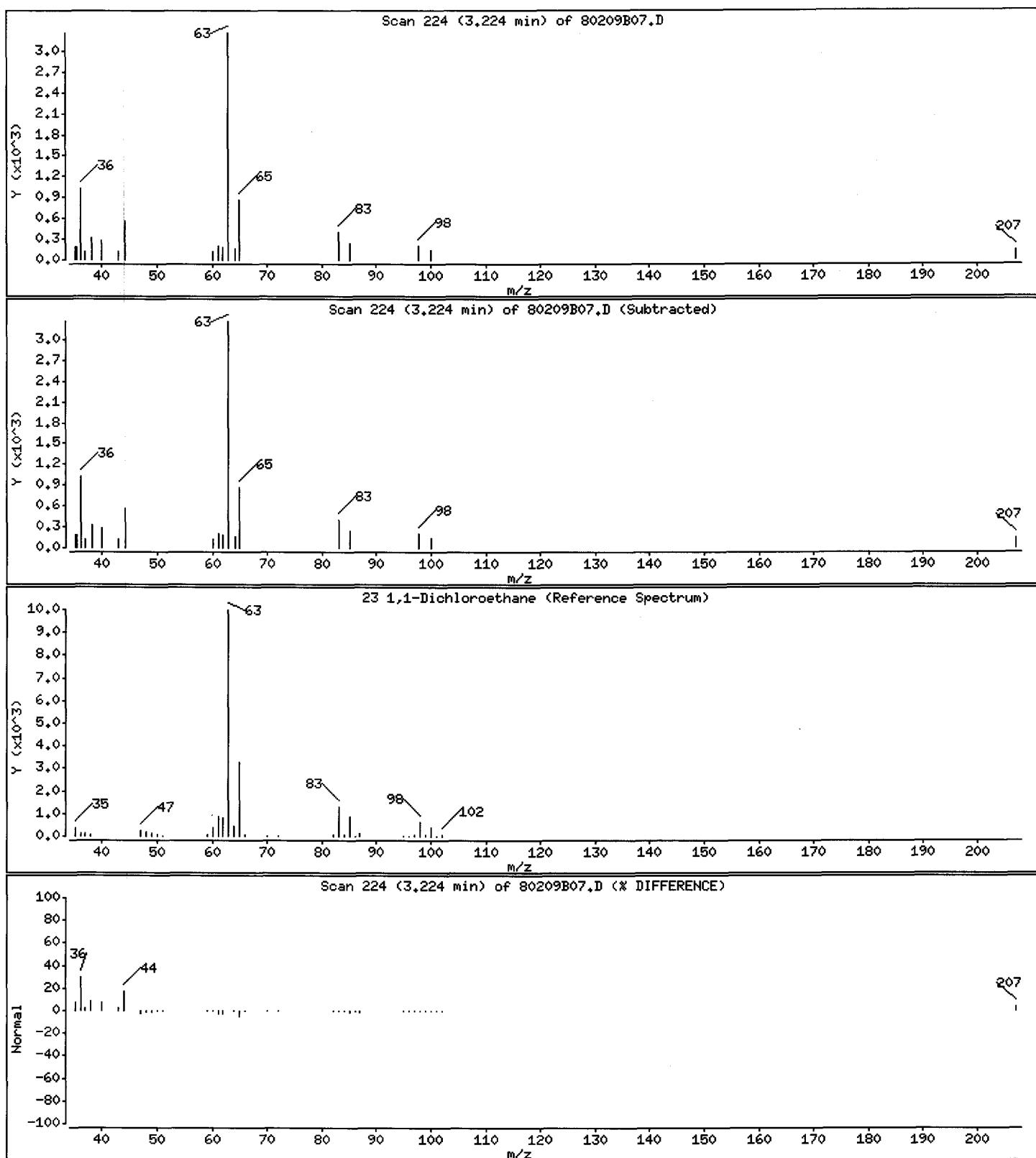
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

23 1,1-Dichloroethane

Concentration: 0.1422 ug/L



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

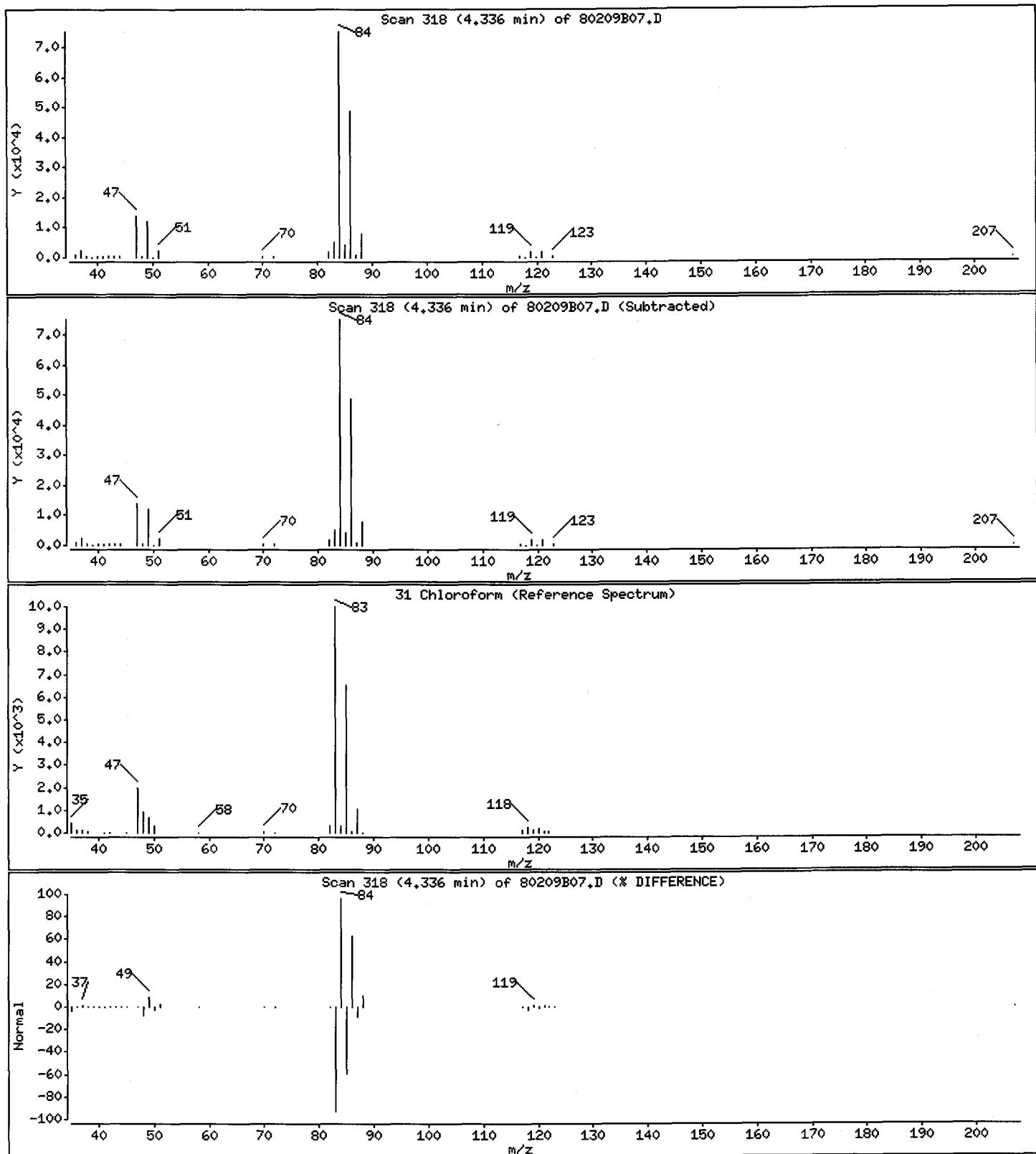
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.2157 ug/L



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

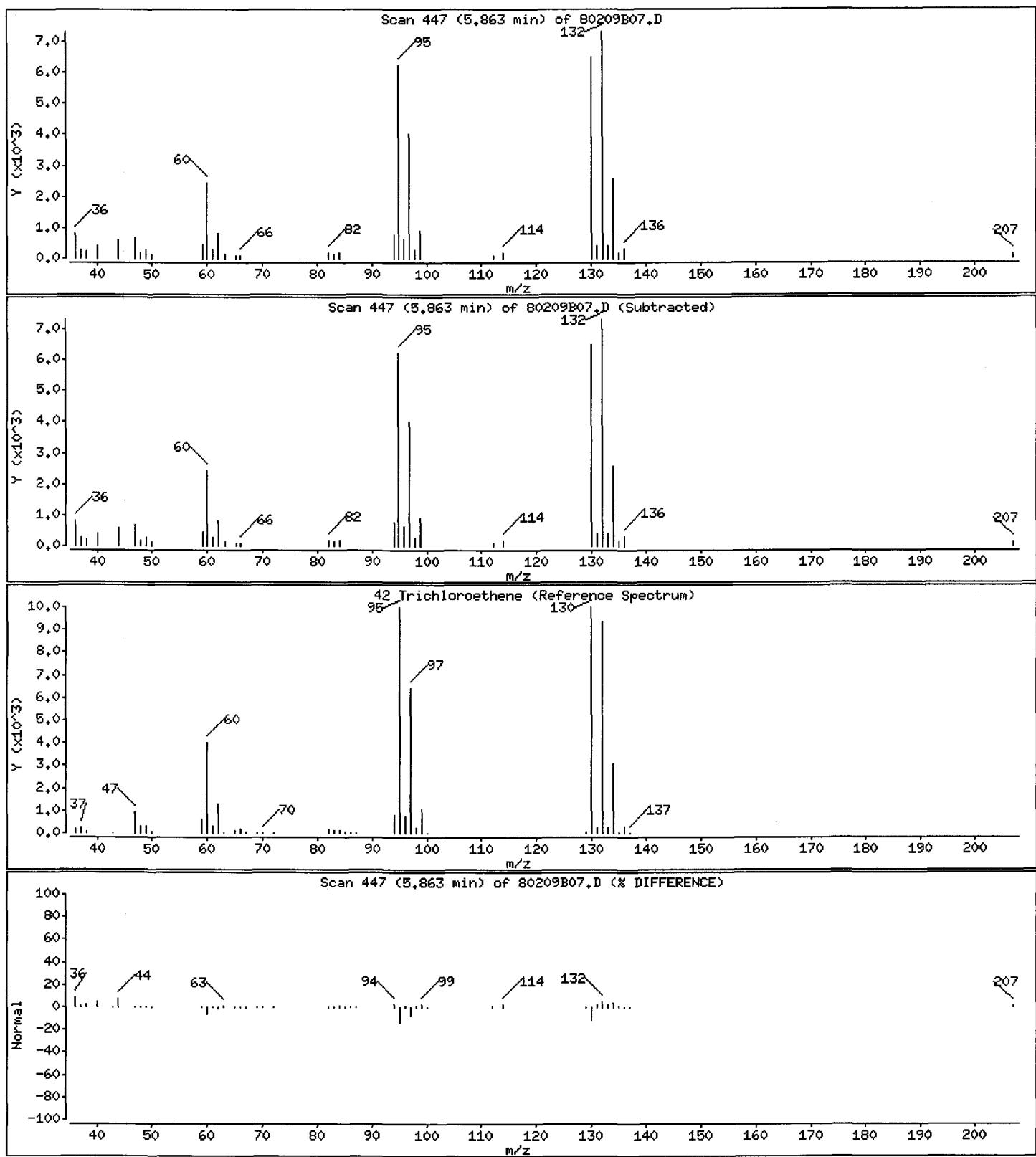
Operator: JJC

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.4734 ug/L



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

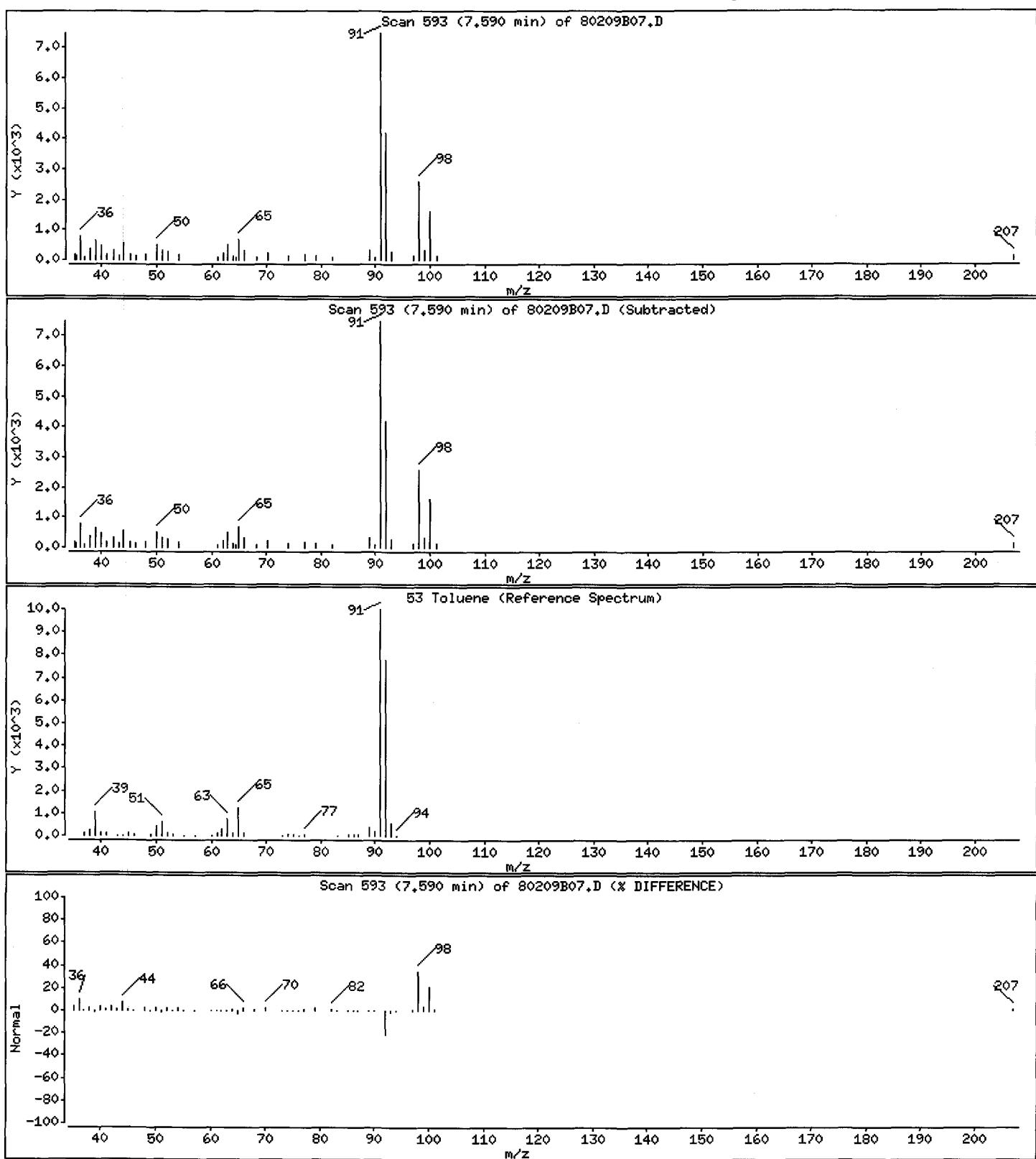
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.1253 ug/L



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

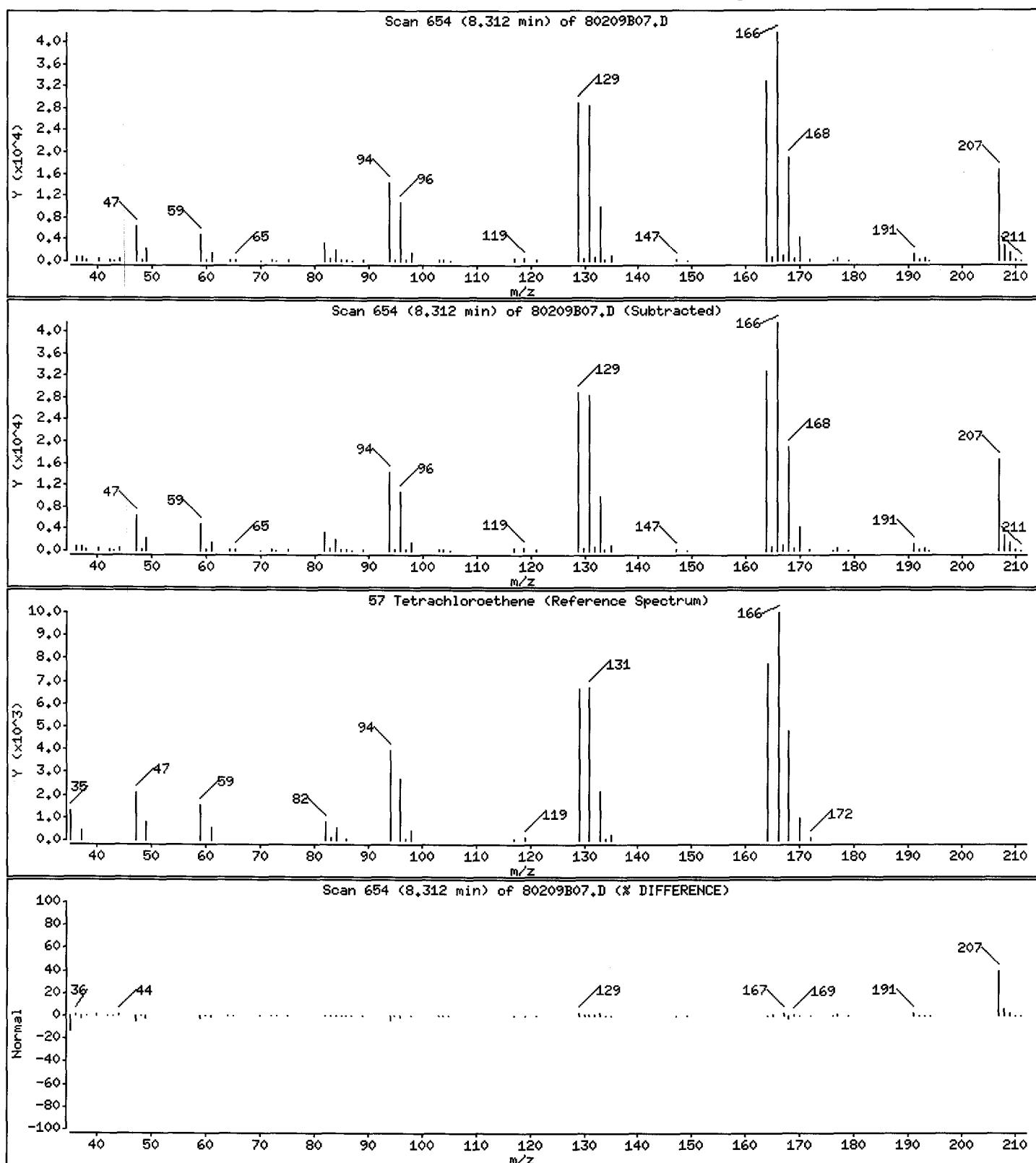
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 2.3397 ug/L



Date : 09-FEB-2012 20:48

Client ID: F5AW6

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-001

Purge Volume: 25.0

Operator: JJG

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match

CAS Number Library

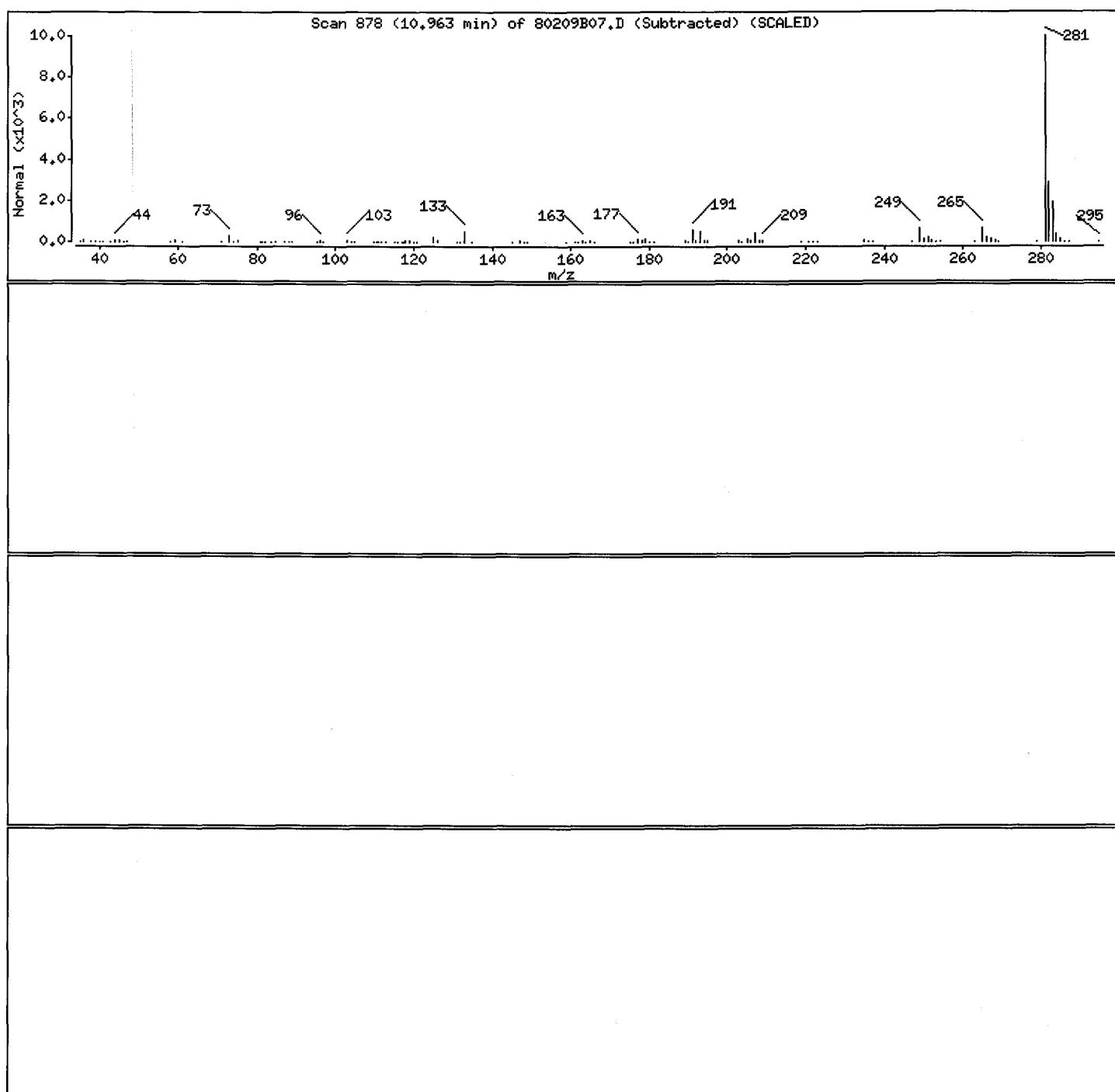
Entry Quality

Formula Weight

Unknown

0 0

0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW7

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-002

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B08

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.73	
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.16	J
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.24	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW7

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-002

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B08

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.40	JB
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.15	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.2	B
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AW7

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-002

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B08

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	10.960	0.56	JB
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B08.D
 Lab Smp Id: NB02045-002 Client Smp ID: F5AW7
 Inj Date : 09-FEB-2012 21:10
 Operator : JJG Inst ID: msd8.i
 Smp Info : 8feb0912B.b, NB02045-002
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
 Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
 Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
 Als bottle: 60
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl Chloride-d3	65		1.366	1.366 (0.246)		220073	5.52201	5.5220
4 Vinyl Chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.638	1.638 (0.295)		172518	5.53631	5.5363
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorodifluoromethane	101		1.792	1.827 (0.323)		36881	0.72987	0.7298
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.147 (0.387)		340021	4.68868	4.6886
13 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101					Compound Not Detected.		
14 Acetone	43					Compound Not Detected.		
15 Carbon Disulfide	76					Compound Not Detected.		
16 Methyl Acetate	43					Compound Not Detected.		
17 Methylene Chloride	84					Compound Not Detected.		
20 Methyl tert-Butyl Ether	73					Compound Not Detected.		
21 trans-1,2-Dichloroethene	96					Compound Not Detected.		
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		10996	0.16082	0.1608(a)	
\$ 25 2-Butanone-d5	46	3.898	3.898 (0.702)		315518	42.3953	42.3953(Q)	
26 cis-1,2-Dichloroethene	96					Compound Not Detected.		
28 2-Butanone	43					Compound Not Detected.		
29 Bromochloromethane	128					Compound Not Detected.		
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		363602	5.55372	5.5537(Q)	
31 Chloroform	83	4.348	4.348 (0.783)		14640	0.23760	0.2376(aQ)	
33 1,1,1-Trichloroethane	97					Compound Not Detected.		

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
32 Cyclohexane		56				Compound Not Detected.		
34 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4		65	4.975	4.975 (0.896)		135226	5.34601	5.3460
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)		869822	5.80163	5.8016
37 Benzene		78				Compound Not Detected.		
39 1,2-Dichloroethane		62				Compound Not Detected.		
* 41 1,4-Difluorobenzene		114	5.555	5.554 (1.000)		905093	5.00000	
42 Trichloroethene		95	5.874	5.874 (0.623)		15076	0.40145	0.4014(a)
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		225937	5.06859	5.0685
43 Methylcyclohexane		83				Compound Not Detected.		
45 1,2-Dichloropropane		63				Compound Not Detected.		
49 Bromodichloromethane		83				Compound Not Detected.		
50 cis-1,3-Dichloropropene		75				Compound Not Detected.		
51 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		776656	5.69575	5.6957
53 Toluene		91	7.578	7.590 (0.803)		22565	0.15126	0.1512(a)
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)		159790	4.85177	4.8517
55 trans-1,3-Dichloropropene		75				Compound Not Detected.		
56 1,1,2-Trichloroethane		97				Compound Not Detected.		
57 Tetrachloroethene		164	8.312	8.312 (0.881)		68674	2.18574	2.1857
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)		323149	44.8926	44.8926
60 2-Hexanone		43				Compound Not Detected.		
61 Dibromochloromethane		129				Compound Not Detected.		
62 1,2-Dibromoethane		107				Compound Not Detected.		
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)		818525	5.00000	
64 Chlorobenzene		112				Compound Not Detected.		
65 Ethylbenzene		91				Compound Not Detected.		
67 m+p-Xylenes		106				Compound Not Detected.		
68 o-Xylene		106				Compound Not Detected.		
69 Styrene		104				Compound Not Detected.		
70 Bromoform		173				Compound Not Detected.		
71 Isopropylbenzene		105				Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		120752	5.21981	5.2198
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
83 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)		416712	5.00000	
86 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		260911	5.55089	5.5508(Q)
89 1,2-Dichlorobenzene		146				Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
 Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B08.D
Lab Smp Id: NB02045-002 Client Smp ID: F5AW7
Inj Date : 09-FEB-2012 21:10
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-002
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 60
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

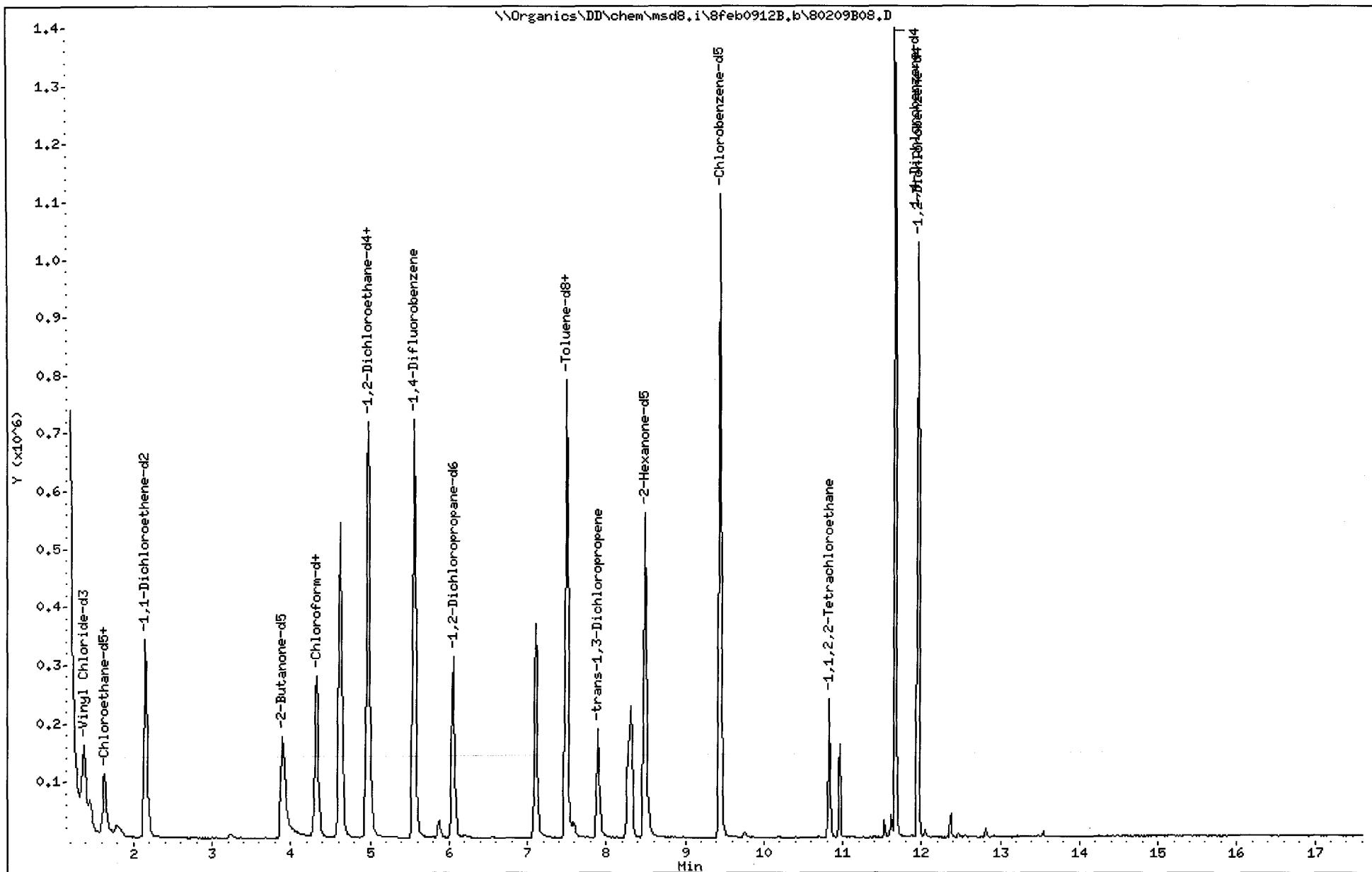
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 85 1,4-Dichlorobenzene-d4	11.673	2293215	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	====
Unknown				CAS #:			
10.963	255028	0.55604887	0.5560	0		0	85

Data File: \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B08.D
Date : 09-FEB-2012 21:10
Client ID: F5AW7
Sample Info: 8feb0912B.b, NB02045-002
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18



Date : 09-FEB-2012 21:10

Client ID: F5AW7

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-002

Purge Volume: 25.0

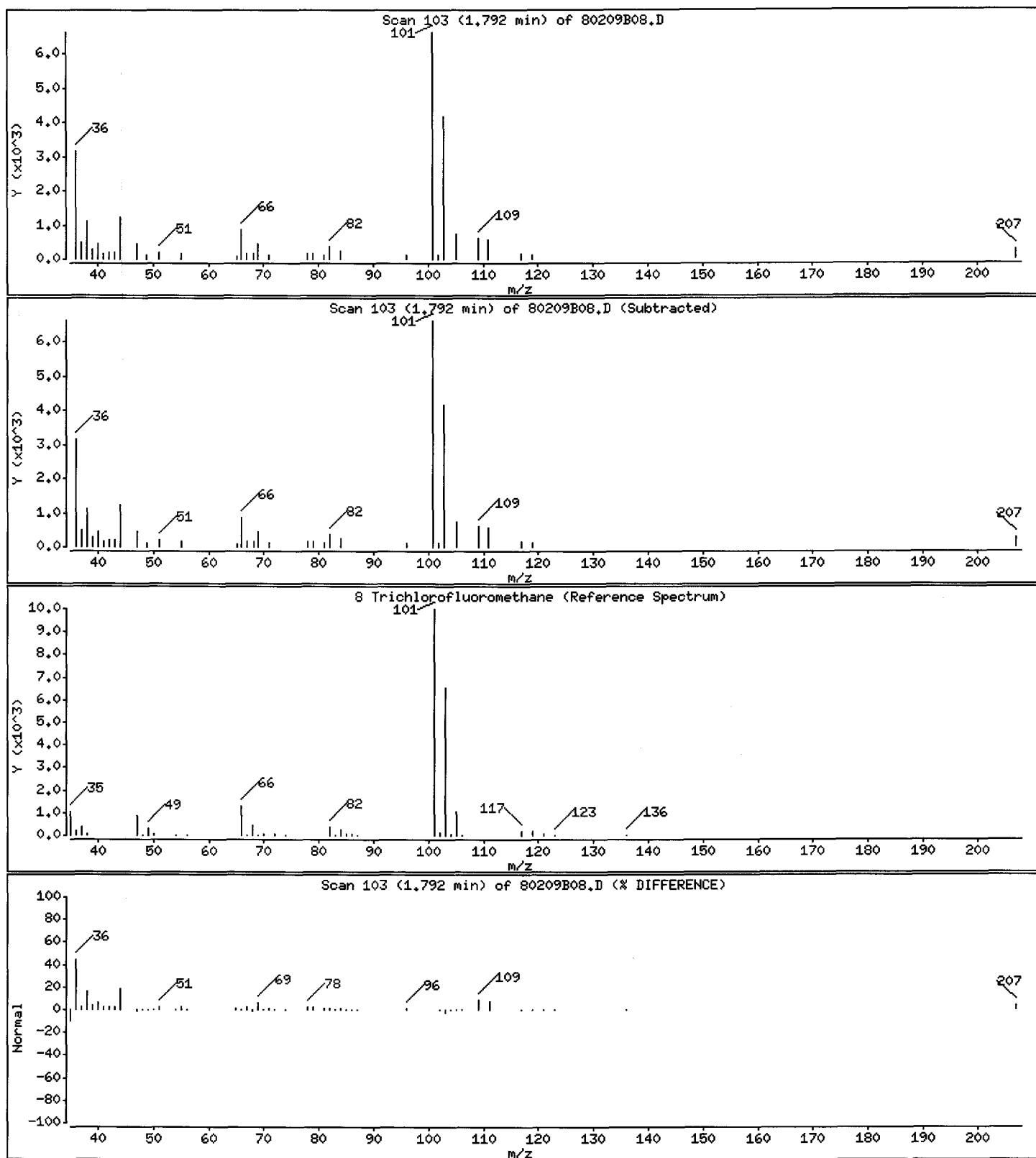
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

8 Trichlorofluoromethane

Concentration: 0.7298 ug/L



Date : 09-FEB-2012 21:10

Client ID: F5AW7

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-002

Purge Volume: 25.0

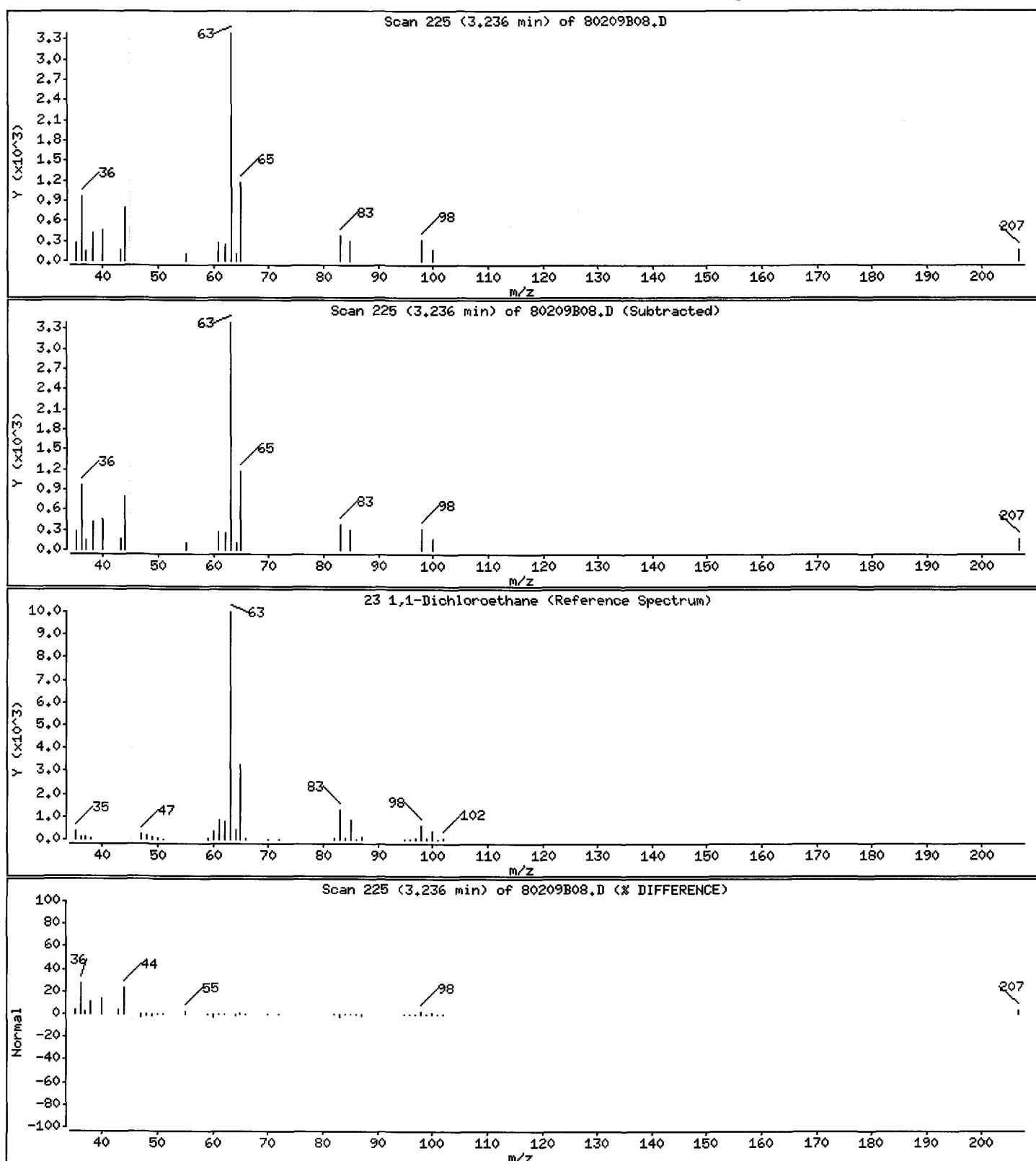
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

23 1,1-Dichloroethane

Concentration: 0.1608 ug/L



Date : 09-FEB-2012 21:10

Client ID: F5AW7

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-002

Purge Volume: 25.0

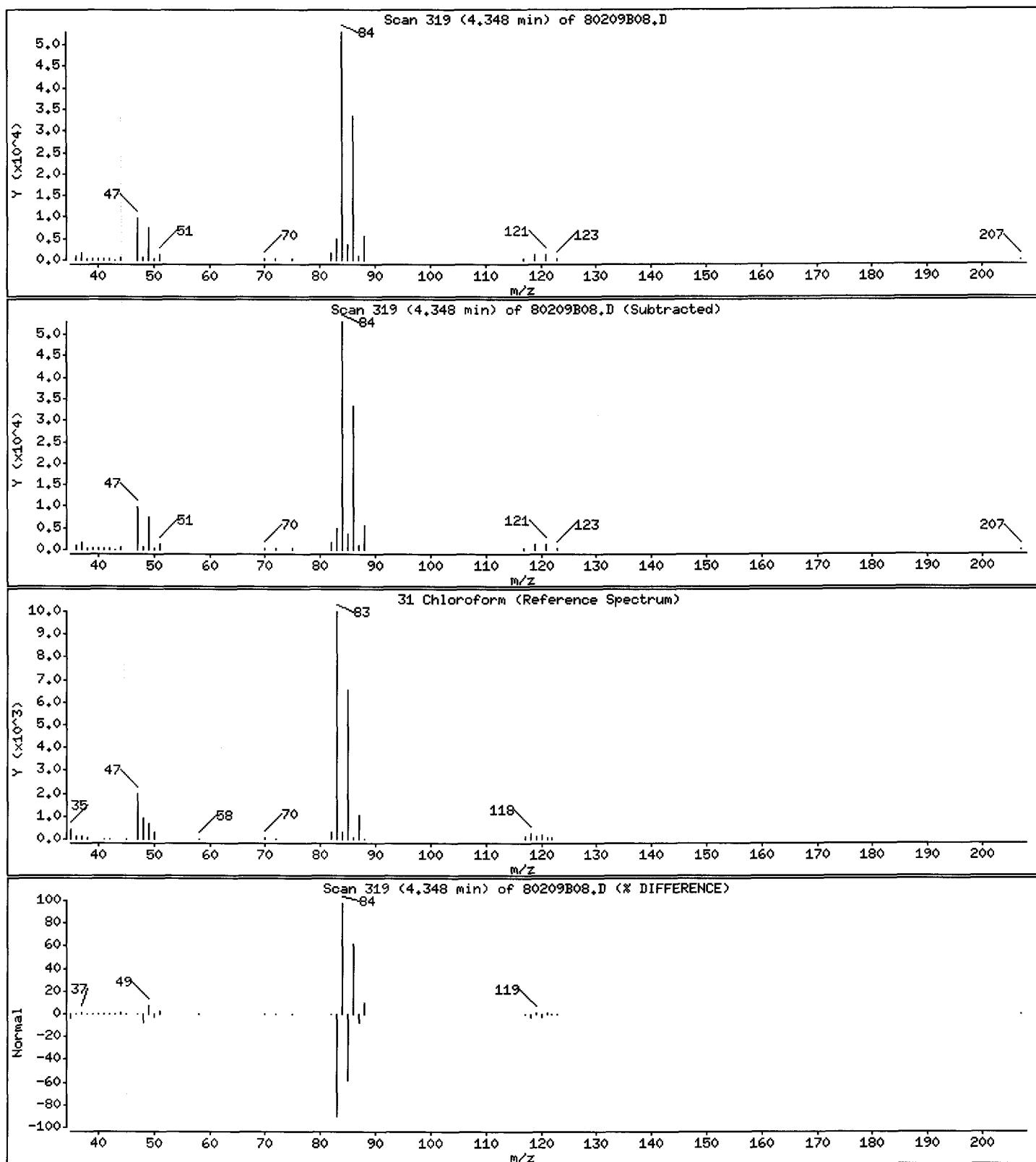
Operator: JJC

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.2376 ug/L



Date : 09-FEB-2012 21:10

Client ID: F5AW7

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-002

Purge Volume: 25.0

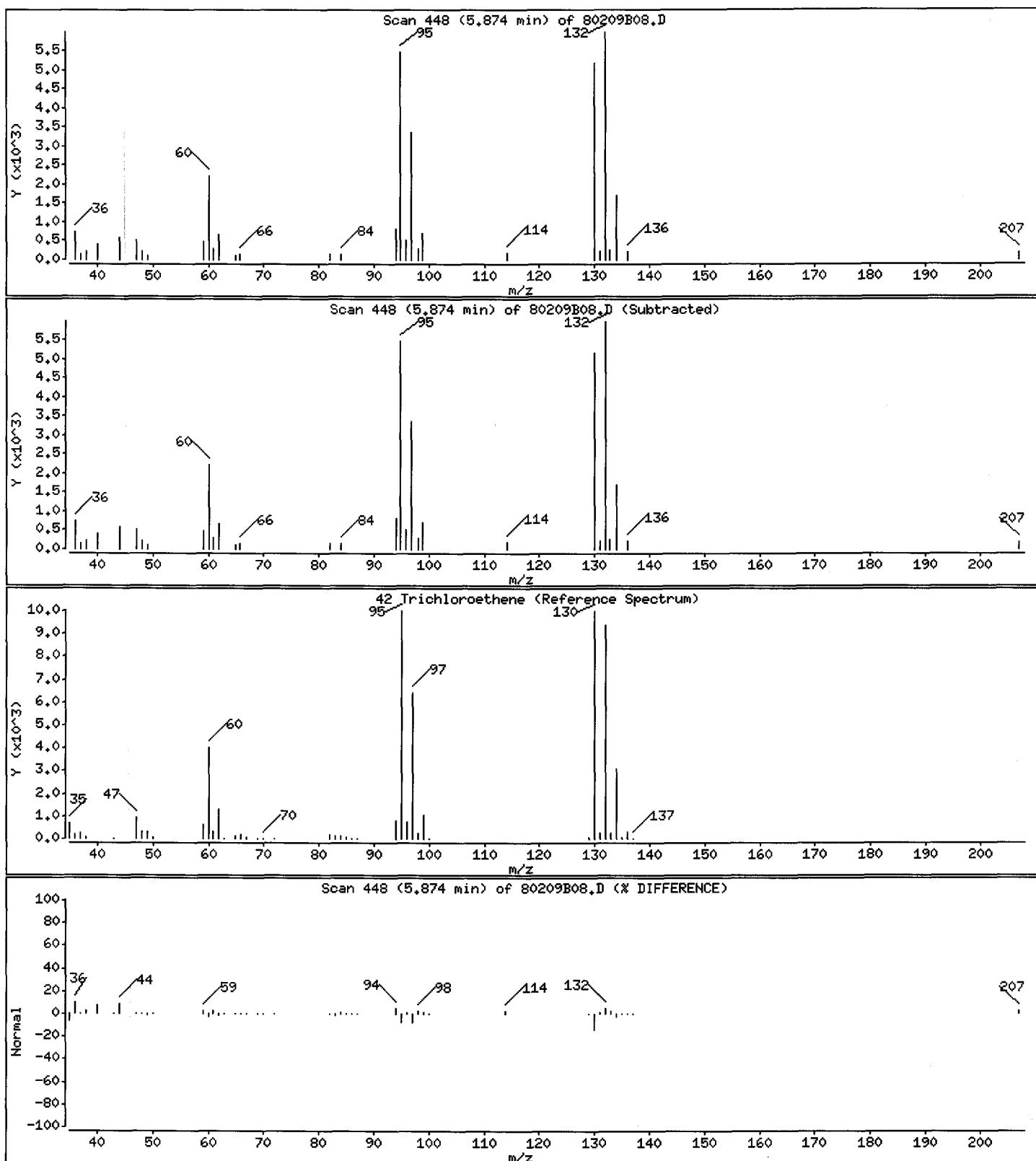
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.4014 ug/L



Date : 09-FEB-2012 21:10

Client ID: F5AW7

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-002

Purge Volume: 25.0

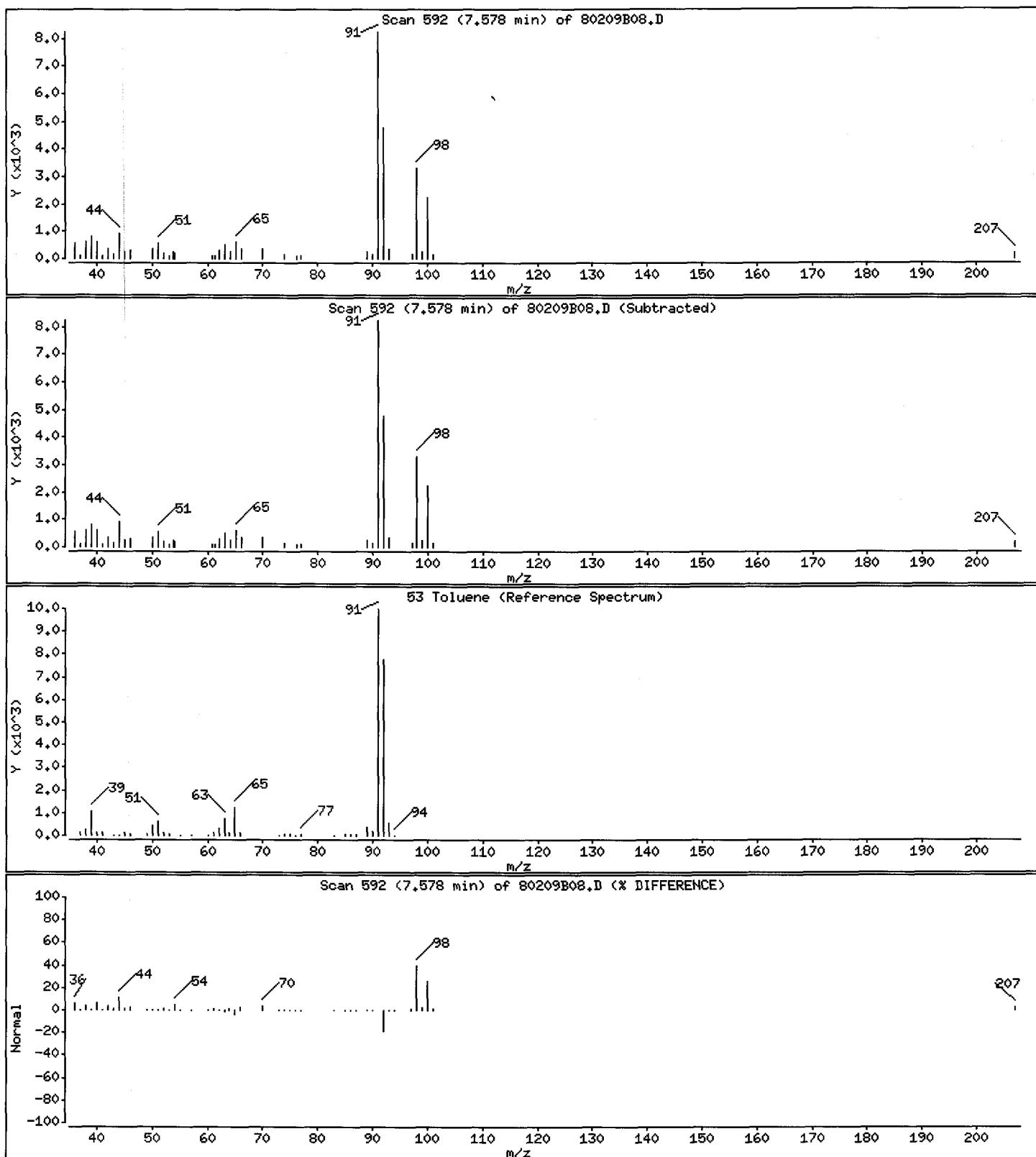
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.1512 ug/L



Date : 09-FEB-2012 21:10

Client ID: F5AW7

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-002

Purge Volume: 25.0

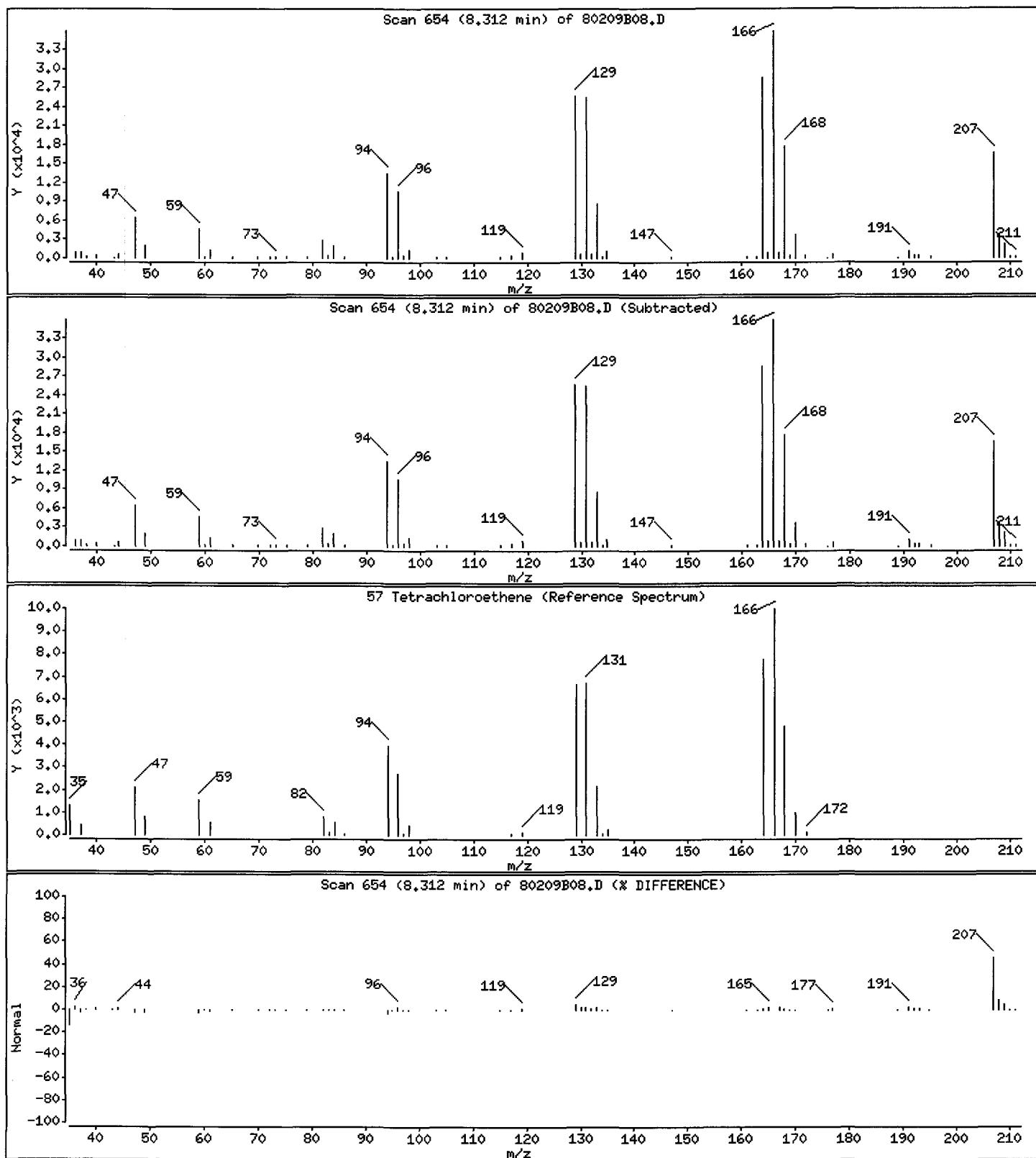
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 2.1857 ug/L



Date : 09-FEB-2012 21:10

Client ID: F5AW7

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-002

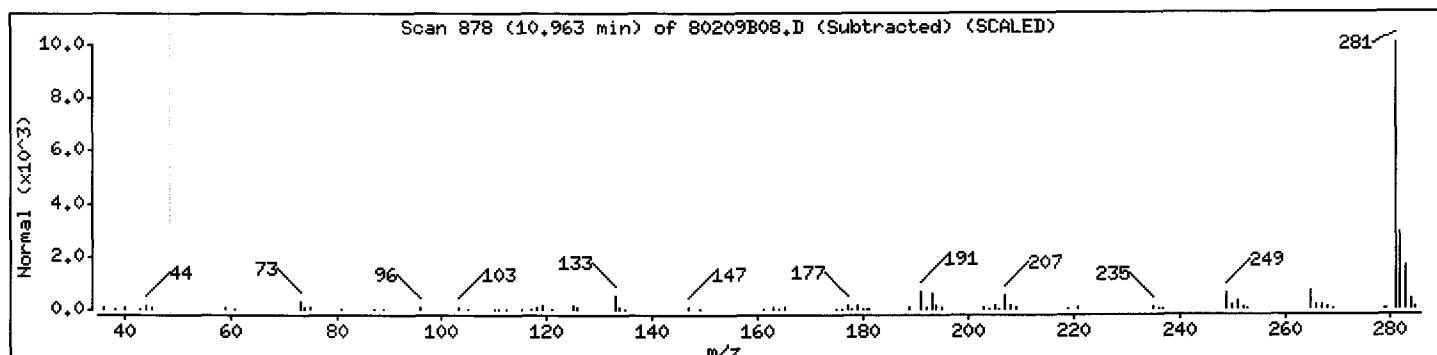
Purge Volume: 25.0

Operator: JJG

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown				0	0	0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW8

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-003

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B09

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.57	
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.084	J
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.20	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW8

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-003

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B09

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.26	JB
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.13	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.5	B
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AW8

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW8

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-003

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B09

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B09.D
Lab Smp Id: NB02045-003 Client Smp ID: F5AW8
Inj Date : 09-FEB-2012 21:31
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-003
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 61
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl Chloride-d3	65		1.366	1.366 (0.246)		228338	6.10008	6.1000
4 Vinyl Chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.626	1.638 (0.293)		180000	6.15014	6.1501
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorodifluoromethane	101		1.792	1.827 (0.323)		26975	0.56837	0.5683
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.147 (0.387)		338956	4.97640	4.9763
13 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101					Compound Not Detected.		
14 Acetone	43					Compound Not Detected.		
15 Carbon Disulfide	76					Compound Not Detected.		
16 Methyl Acetate	43					Compound Not Detected.		
17 Methylene Chloride	84					Compound Not Detected.		
20 Methyl tert-Butyl Ether	73					Compound Not Detected.		
21 trans-1,2-Dichloroethene	96					Compound Not Detected.		
23 1,1-Dichloroethane	63		3.247	3.235 (0.585)		5417	0.08435	0.0843(a)
\$ 25 2-Butanone-d5	46		3.898	3.898 (0.702)		307127	43.9378	43.9378(Q)
26 cis-1,2-Dichloroethene	96					Compound Not Detected.		
28 2-Butanone	43					Compound Not Detected.		
29 Bromochloromethane	128					Compound Not Detected.		
\$ 30 Chloroform-d	84		4.324	4.324 (0.778)		359303	5.84313	5.8431(Q)
31 Chloroform	83		4.348	4.348 (0.783)		11513	0.19894	0.1989(a)
33 1,1,1-Trichloroethane	97					Compound Not Detected.		

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	
=====	=====	=====	=====	=====	=====	=====	=====
32 Cyclohexane		56				Compound Not Detected.	
34 Carbon Tetrachloride		117				Compound Not Detected.	
\$ 38 1,2-Dichloroethane-d4		65	4.975	4.975 (0.896)		129822	5.46442 5.4644
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)		851785	5.94546 5.9454
37 Benzene		78				Compound Not Detected.	
39 1,2-Dichloroethane		62				Compound Not Detected.	
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)		850093	5.00000
42 Trichloroethene		95	5.874	5.874 (0.623)		9466	0.26378 0.2637(a)
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		222980	5.23482 5.2348
43 Methylcyclohexane		83				Compound Not Detected.	
45 1,2-Dichloropropane		63				Compound Not Detected.	
49 Bromodichloromethane		83				Compound Not Detected.	
50 cis-1,3-Dichloropropene		75				Compound Not Detected.	
51 4-Methyl-2-pentanone		43				Compound Not Detected.	
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		771395	5.92018 5.9201
53 Toluene		91	7.590	7.590 (0.804)		18957	0.13298 0.1329(a)
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)		161823	5.14193 5.1419
55 trans-1,3-Dichloropropene		75				Compound Not Detected.	
56 1,1,2-Trichloroethane		97				Compound Not Detected.	
57 Tetrachloroethene		164	8.312	8.312 (0.881)		45416	1.51269 1.5126
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)		315634	45.8872 45.8872
60 2-Hexanone		43				Compound Not Detected.	
61 Dibromochloromethane		129				Compound Not Detected.	
62 1,2-Dibromoethane		107				Compound Not Detected.	
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)		782161	5.00000
64 Chlorobenzene		112				Compound Not Detected.	
65 Ethylbenzene		91				Compound Not Detected.	
67 m+p-Xylenes		106				Compound Not Detected.	
68 o-Xylene		106				Compound Not Detected.	
69 Styrene		104				Compound Not Detected.	
70 Bromoform		173				Compound Not Detected.	
71 Isopropylbenzene		105				Compound Not Detected.	
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		120781	5.46380 5.4638
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
83 1,3-Dichlorobenzene		146				Compound Not Detected.	
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)		393417	5.00000
86 1,4-Dichlorobenzene		146				Compound Not Detected.	
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		252530	5.69071 5.6907
89 1,2-Dichlorobenzene		146				Compound Not Detected.	
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.	
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
 Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B09.D
Lab Smp Id: NB02045-003 Client Smp ID: F5AW8
Inj Date : 09-FEB-2012 21:31 Inst ID: msd8.i
Operator : JJG
Smp Info : 8feb0912B.b, NB02045-003
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 61
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

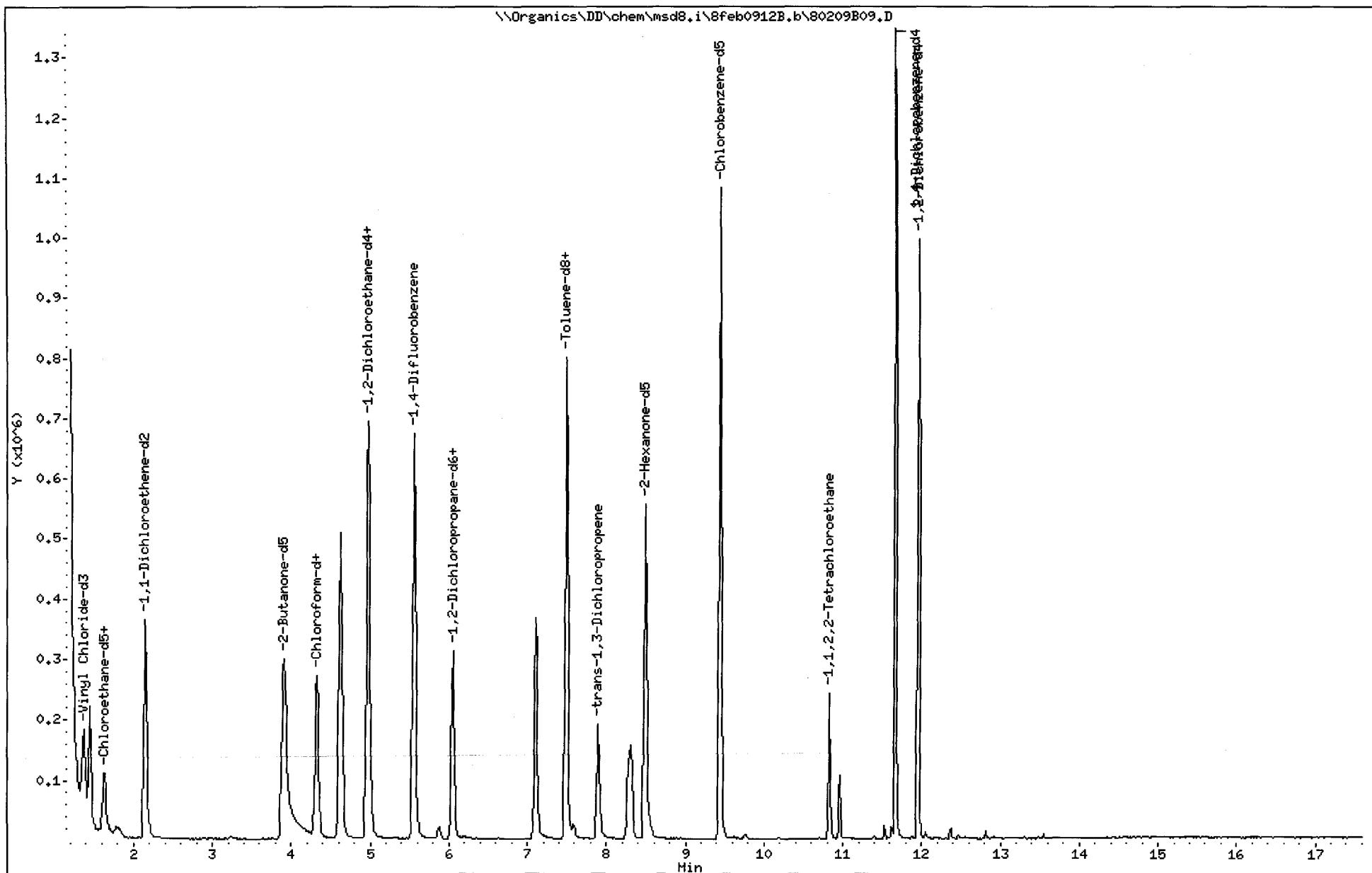
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B09.D
Date : 09-FEB-2012 21:31
Client ID: F5AW8
Sample Info: 8feb0912B.b, NB02045-003
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

Page 3

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Date : 09-FEB-2012 21:31

Client ID: F5AW8

Instrument: msd8,i

Sample Info: 8feb0912B.b, NB02045-003

Purge Volume: 25.0

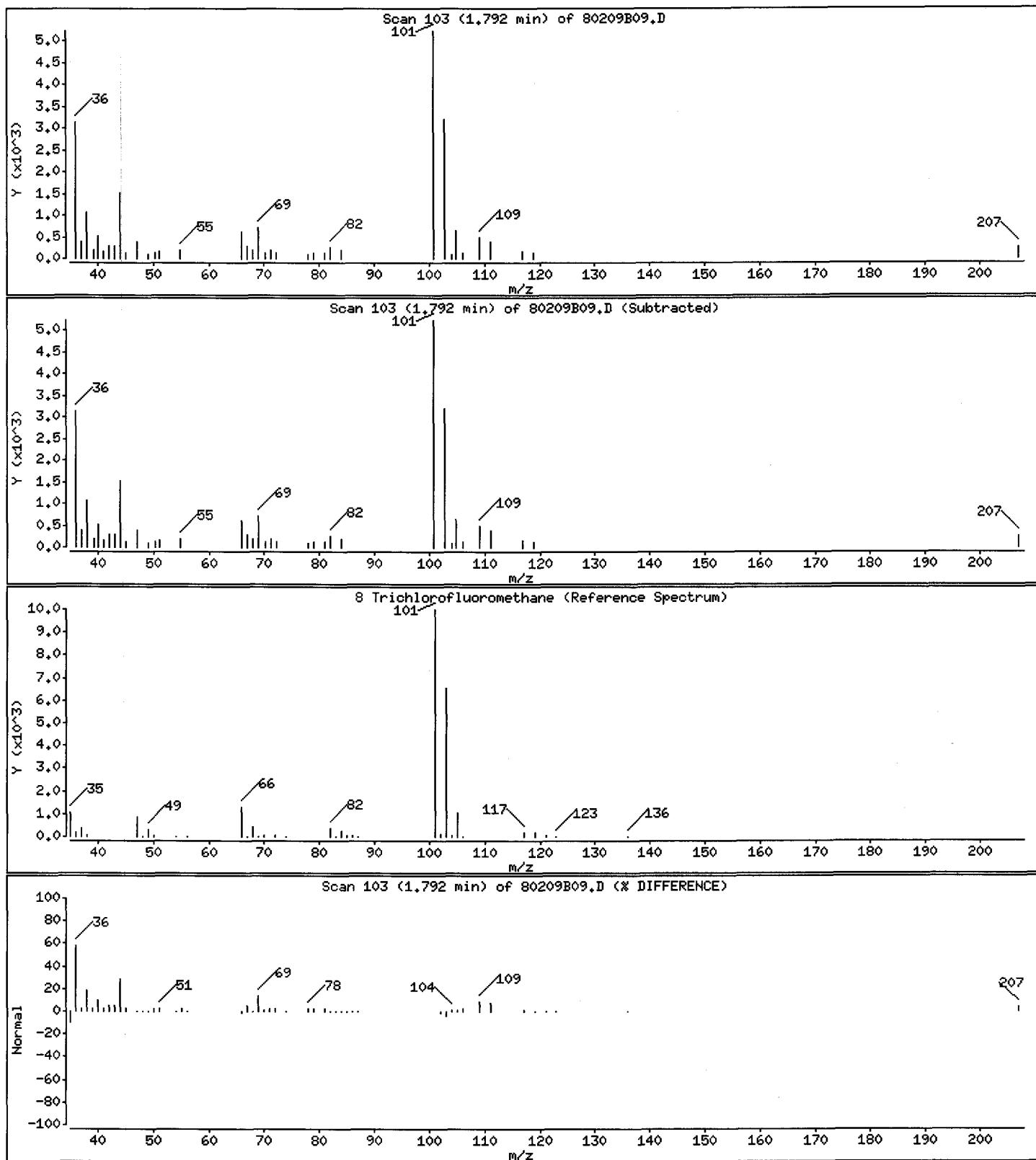
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

8 Trichlorofluoromethane

Concentration: 0.5683 ug/L



Date : 09-FEB-2012 21:31

Client ID: F5AW8

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-003

Purge Volume: 25.0

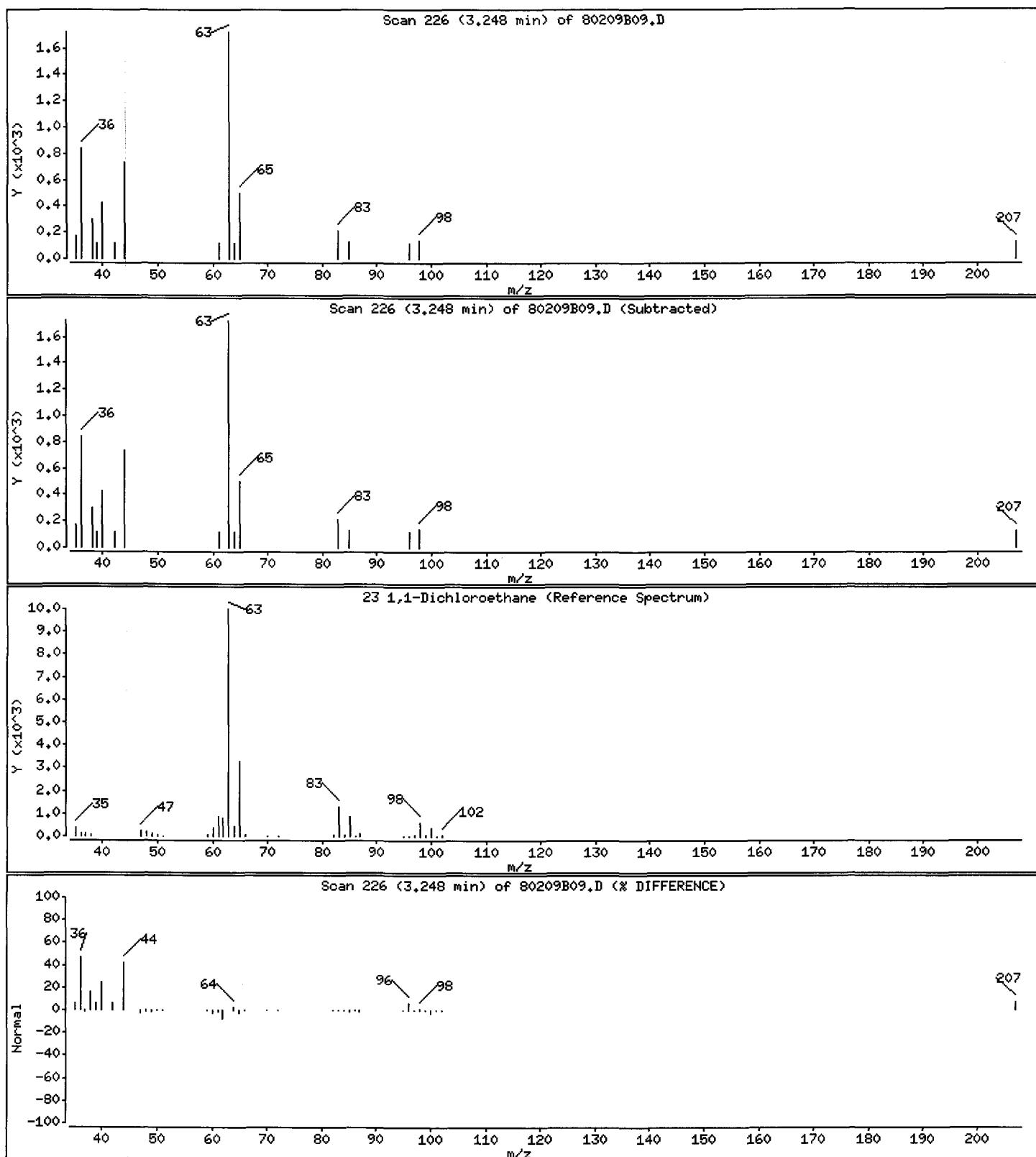
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

23 1,1-Dichloroethane

Concentration: 0.0843 ug/L



Date : 09-FEB-2012 21:31

Client ID: F5AW8

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-003

Purge Volume: 25.0

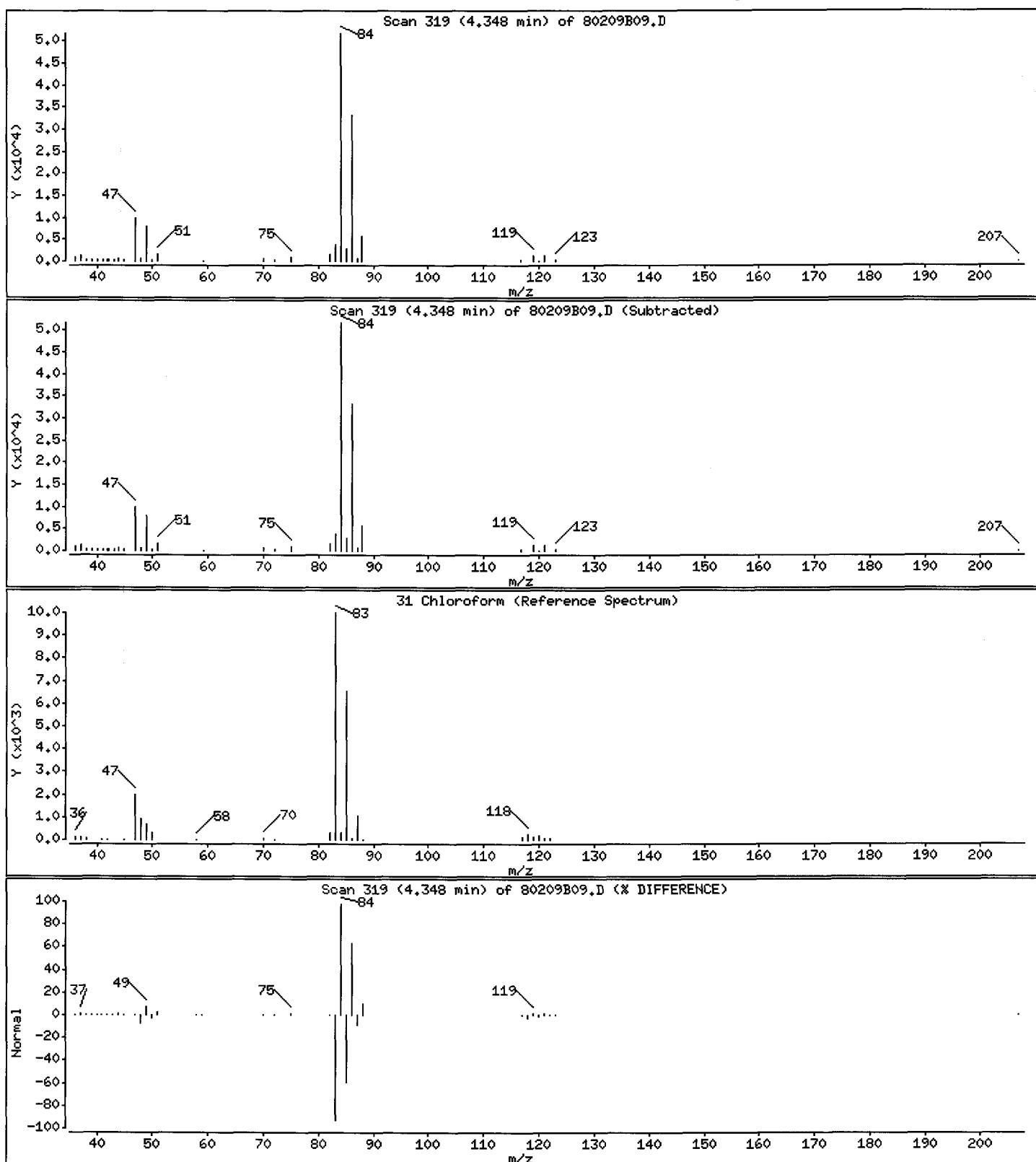
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.1989 ug/L



Date : 09-FEB-2012 21:31

Client ID: F5AW8

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-003

Purge Volume: 25.0

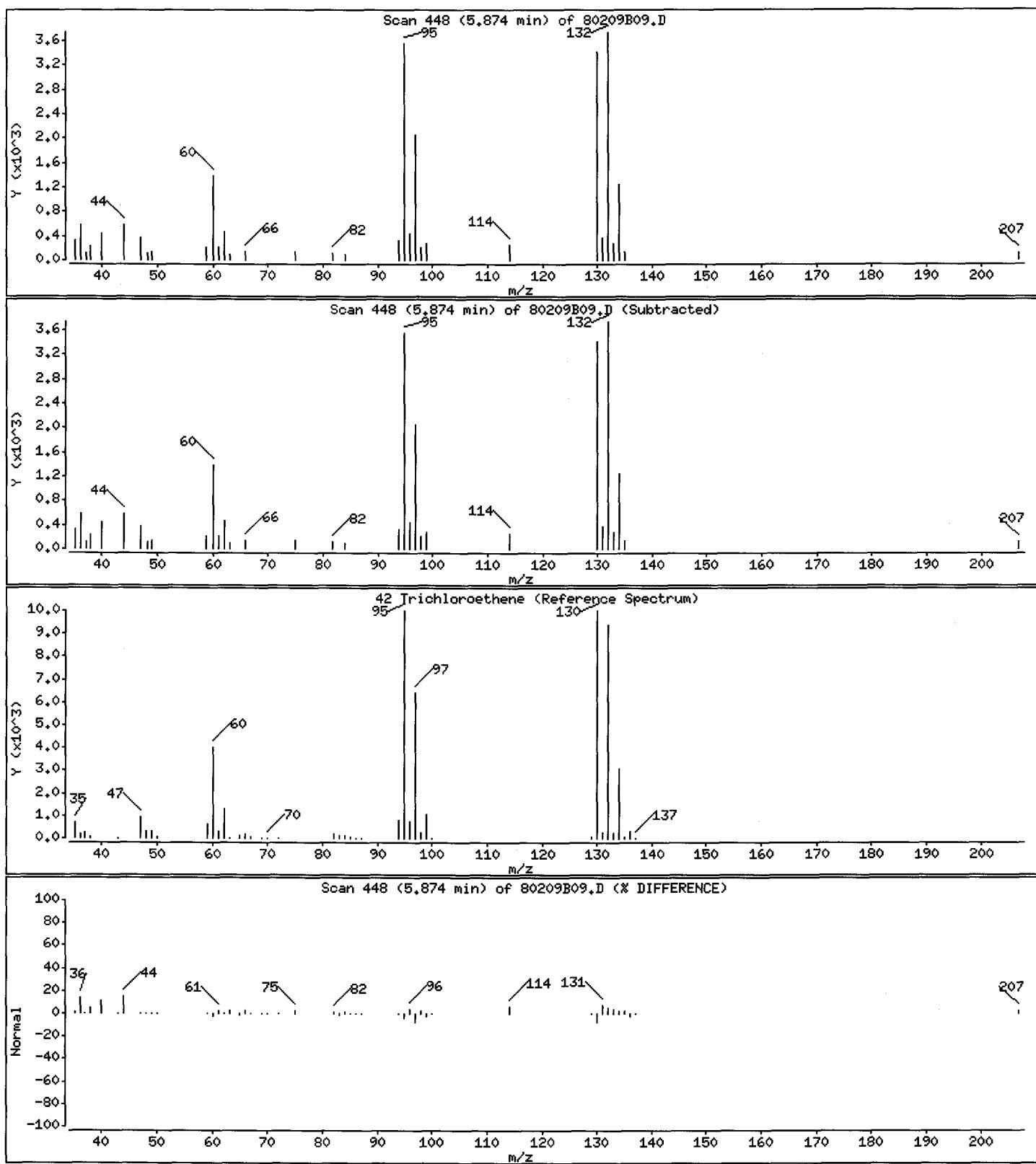
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.2637 ug/L



Date : 09-FEB-2012 21:31

Client ID: F5AW8

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-003

Purge Volume: 25.0

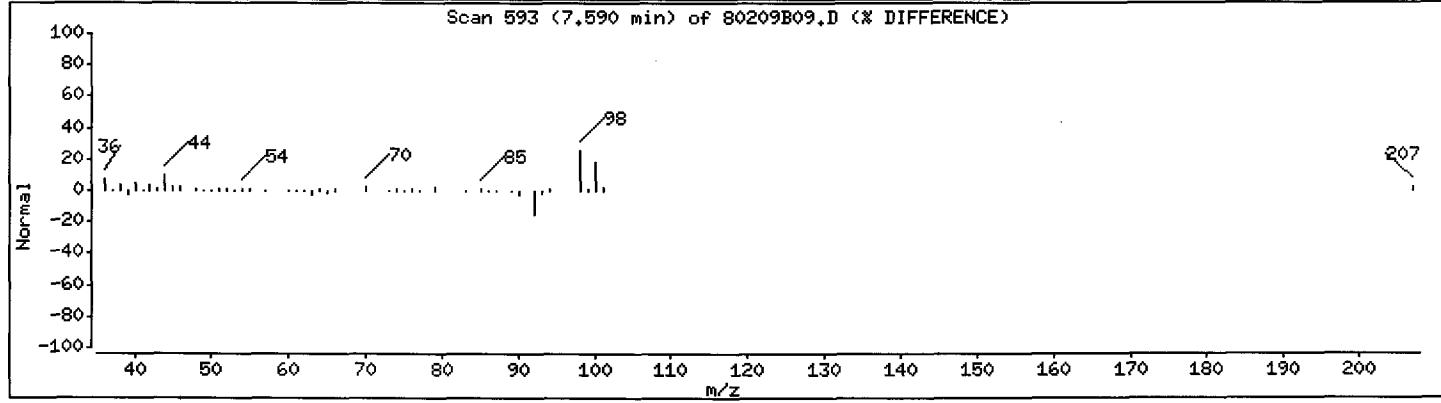
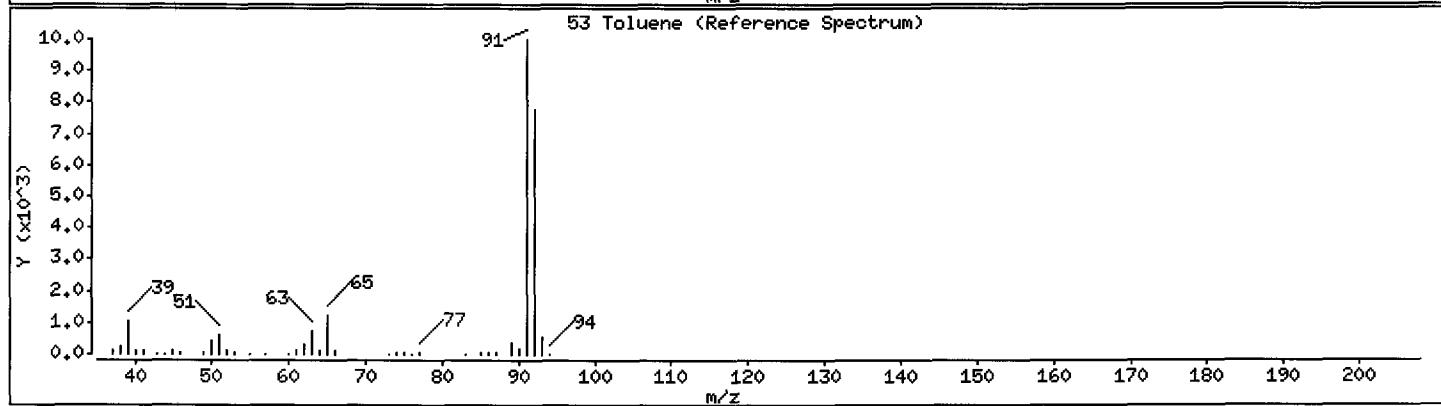
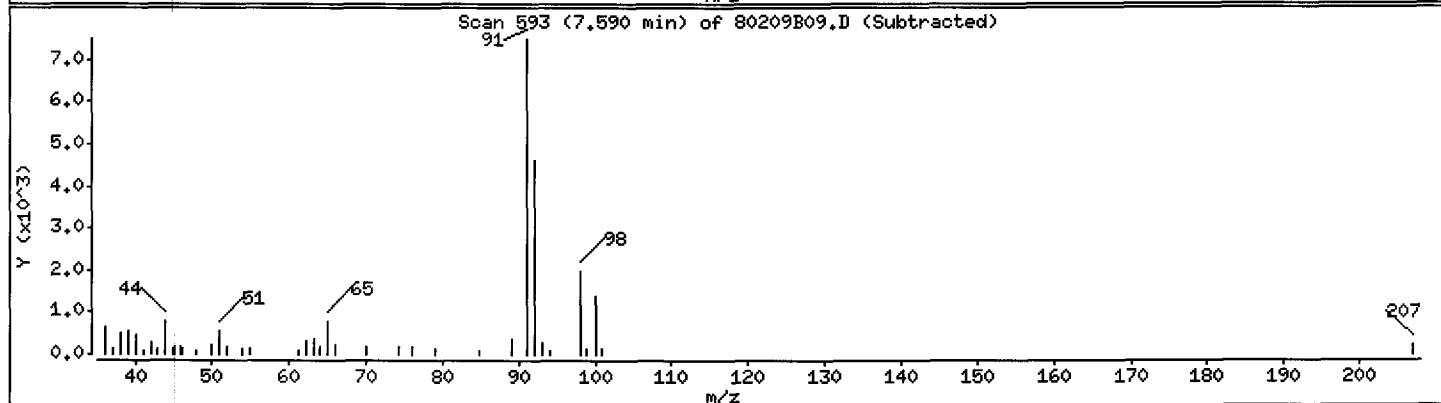
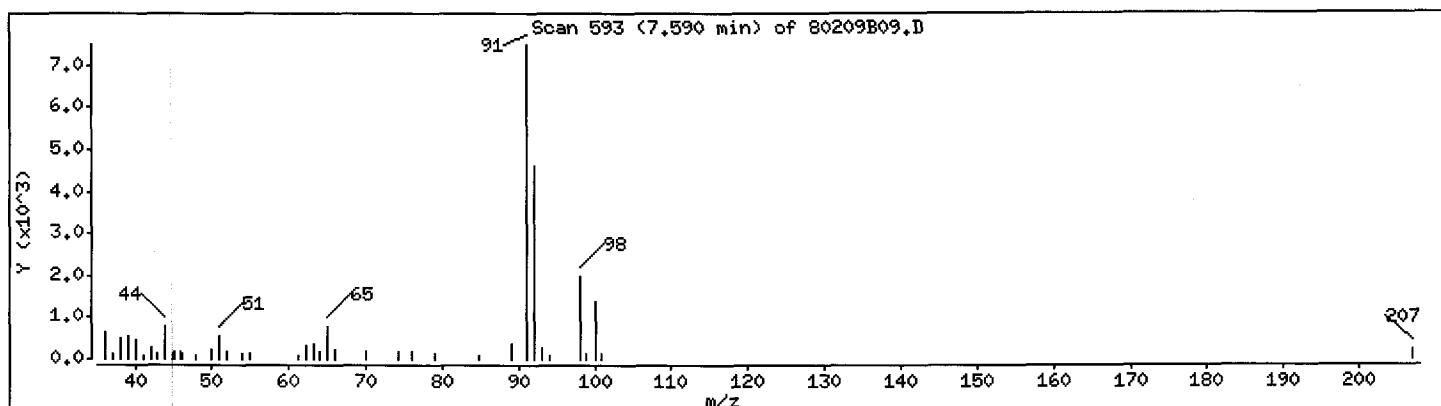
Operator: JJC

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.1329 ug/L



Date : 09-FEB-2012 21:31

Client ID: F5AW8

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-003

Purge Volume: 25.0

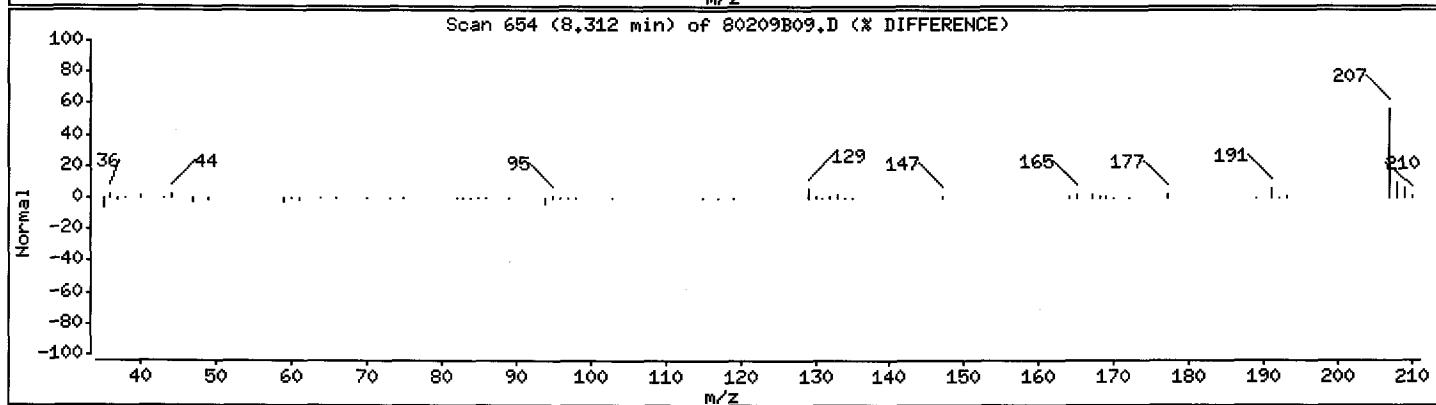
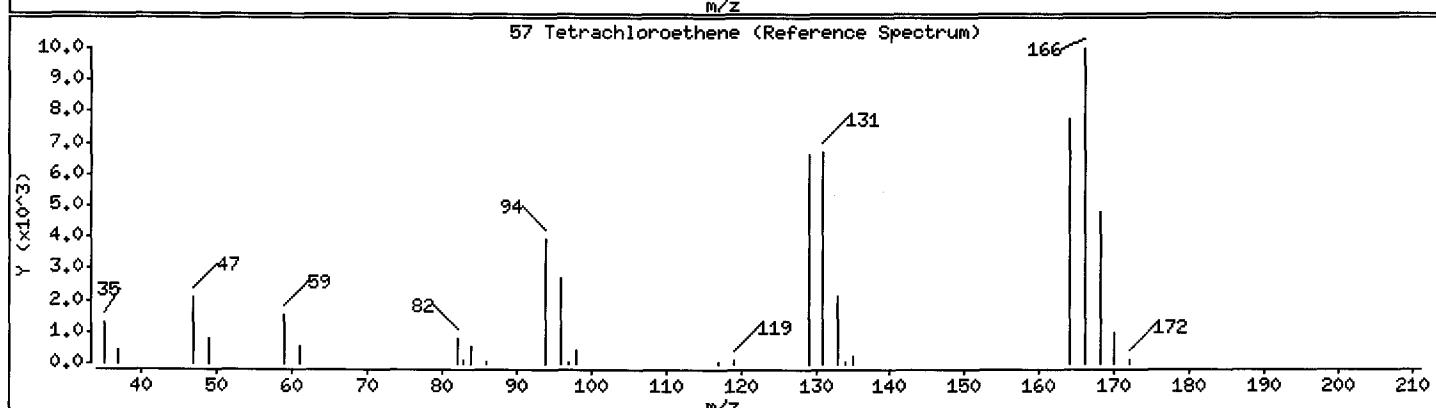
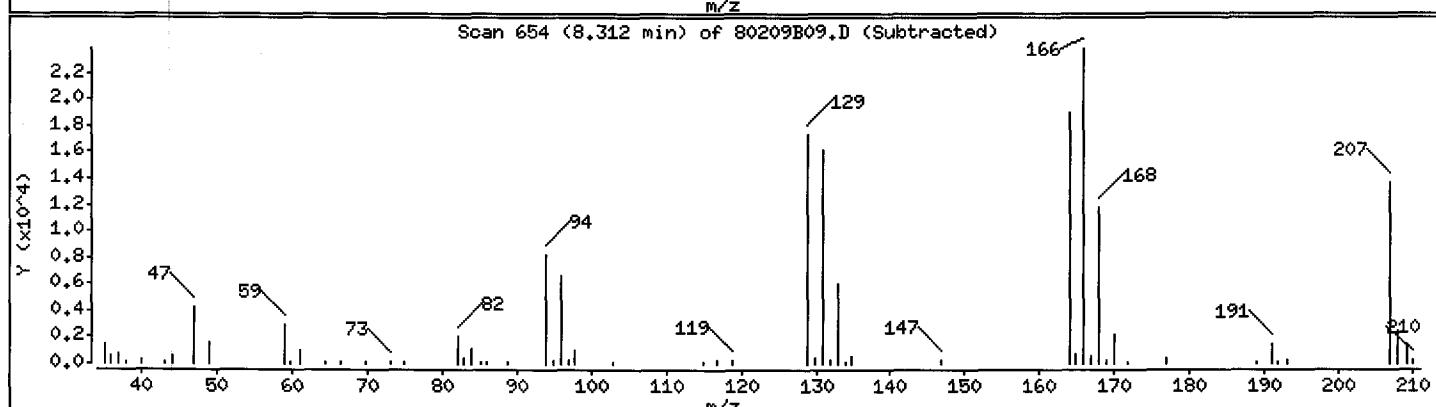
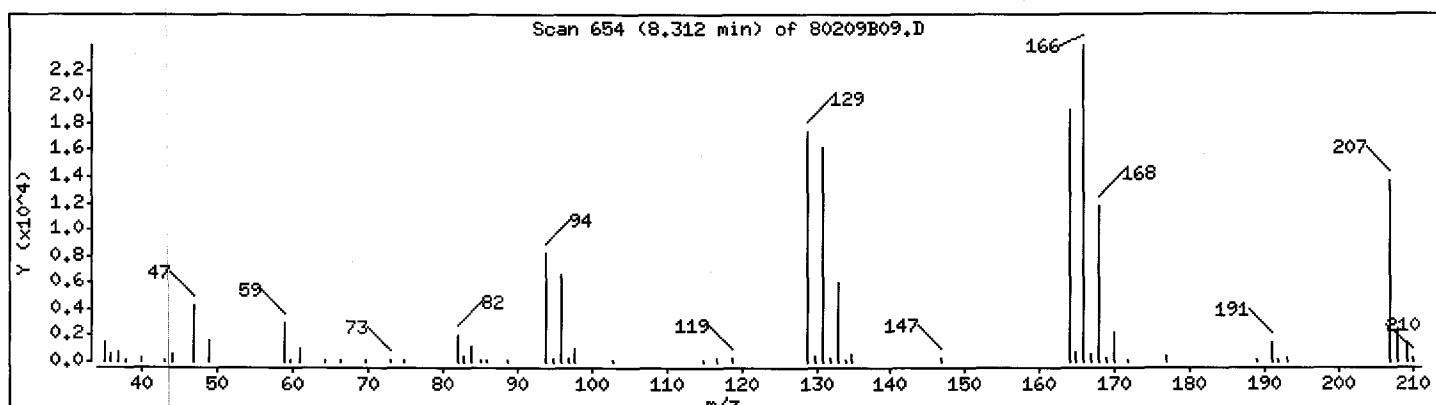
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 1.5126 ug/L



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW9

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-004

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B04

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.88	
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.6	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.37	J
156-59-2	cis-1,2-Dichloroethene	0.12	J
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.20	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.13	J

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AW9

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-004

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B04

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.97	B
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.13	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.9	B
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AW9

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-004

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B04

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	10.960	0.85	JB
02				
03				
04				
05				
06				
07				
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17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B04.D
Lab Smp Id: NB02045-004 Client Smp ID: F5AW9
Inj Date : 09-FEB-2012 19:29
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-004
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 56
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS						
			MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane		85							
2 Chloromethane		50							
\$ 3 Vinyl Chloride-d3		65		1.366	1.366 (0.246)		237109	5.90061	5.9006
4 Vinyl Chloride		62							
5 Bromomethane		94							
\$ 6 Chloroethane-d5		69		1.638	1.638 (0.295)		180059	5.73085	5.7308
7 Chloroethane		64							
8 Trichlorodifluoromethane		101		1.792	1.827 (0.323)		45072	0.88464	0.8846
\$ 12 1,1-Dichloroethene-d2		63		2.147	2.147 (0.387)		349020	4.77324	4.7732
13 1,1-Dichloroethene		96							
11 1,1,2-Trichloro-1,2,2-trifluo		101							
14 Acetone		43		2.206	2.206 (0.397)		6100	1.61865	1.6186(a)
15 Carbon Disulfide		76							
16 Methyl Acetate		43							
17 Methylene Chloride		84							
20 Methyl tert-Butyl Ether		73							
21 trans-1,2-Dichloroethene		96							
23 1,1-Dichloroethane		63		3.235	3.235 (0.582)		25343	0.36761	0.3676(a)
\$ 25 2-Butanone-d5		46		3.886	3.898 (0.700)		326526	43.5141	43.5140(Q)
26 cis-1,2-Dichloroethene		96		3.933	3.933 (0.708)		4810	0.11868	0.1186(aQ)
28 2-Butanone		43							
29 Bromochloromethane		128							
\$ 30 Chloroform-d		84		4.312	4.324 (0.776)		354732	5.37373	5.3737(Q)
31 Chloroform		83		4.336	4.348 (0.781)		12239	0.19700	0.1970(aQ)
33 1,1,1-Trichloroethane		97							

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
32 Cyclohexane		56				Compound Not Detected.		
34 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.975 (0.893)		134482	5.27292	5.2729
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)		856934	5.49822	5.4982
37 Benzene		78				Compound Not Detected.		
39 1,2-Dichloroethane		62	4.963	5.069 (0.893)		3696	0.12508	0.1250(a)
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)		912589	5.00000	
42 Trichloroethene		95	5.862	5.874 (0.621)		38053	0.97474	0.9747
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		224404	4.84267	4.8426
43 Methylcyclohexane		83				Compound Not Detected.		
45 1,2-Dichloropropane		63				Compound Not Detected.		
49 Bromodichloromethane		83				Compound Not Detected.		
50 cis-1,3-Dichloropropene		75				Compound Not Detected.		
51 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		798517	5.63328	5.6332
53 Toluene		91	7.578	7.590 (0.803)		20546	0.13248	0.1324(a)
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)		171901	5.02092	5.0209
55 trans-1,3-Dichloropropene		75				Compound Not Detected.		
56 1,1,2-Trichloroethane		97				Compound Not Detected.		
57 Tetrachloroethene		164	8.311	8.312 (0.881)		95476	2.92318	2.9231
\$ 58 2-Hexanone-d5		63	8.477	8.489 (0.898)		351118	46.9224	46.9223
60 2-Hexanone		43				Compound Not Detected.		
61 Dibromochloromethane		129				Compound Not Detected.		
62 1,2-Dibromoethane		107				Compound Not Detected.		
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)		850898	5.00000	
64 Chlorobenzene		112				Compound Not Detected.		
65 Ethylbenzene		91				Compound Not Detected.		
67 m+p-Xylenes		106				Compound Not Detected.		
68 o-Xylene		106				Compound Not Detected.		
69 Styrene		104				Compound Not Detected.		
70 Bromoform		173				Compound Not Detected.		
71 Isopropylbenzene		105				Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		128805	5.35609	5.3560
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
83 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)		449676	5.00000	
86 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		281148	5.54296	5.5429
89 1,2-Dichlorobenzene		146				Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B04.D
Lab Smp Id: NB02045-004 Client Smp ID: F5AW9
Inj Date : 09-FEB-2012 19:29
Operator : JJJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-004
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 56
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 85 1,4-Dichlorobenzene-d4	11.672	2459641	5.000

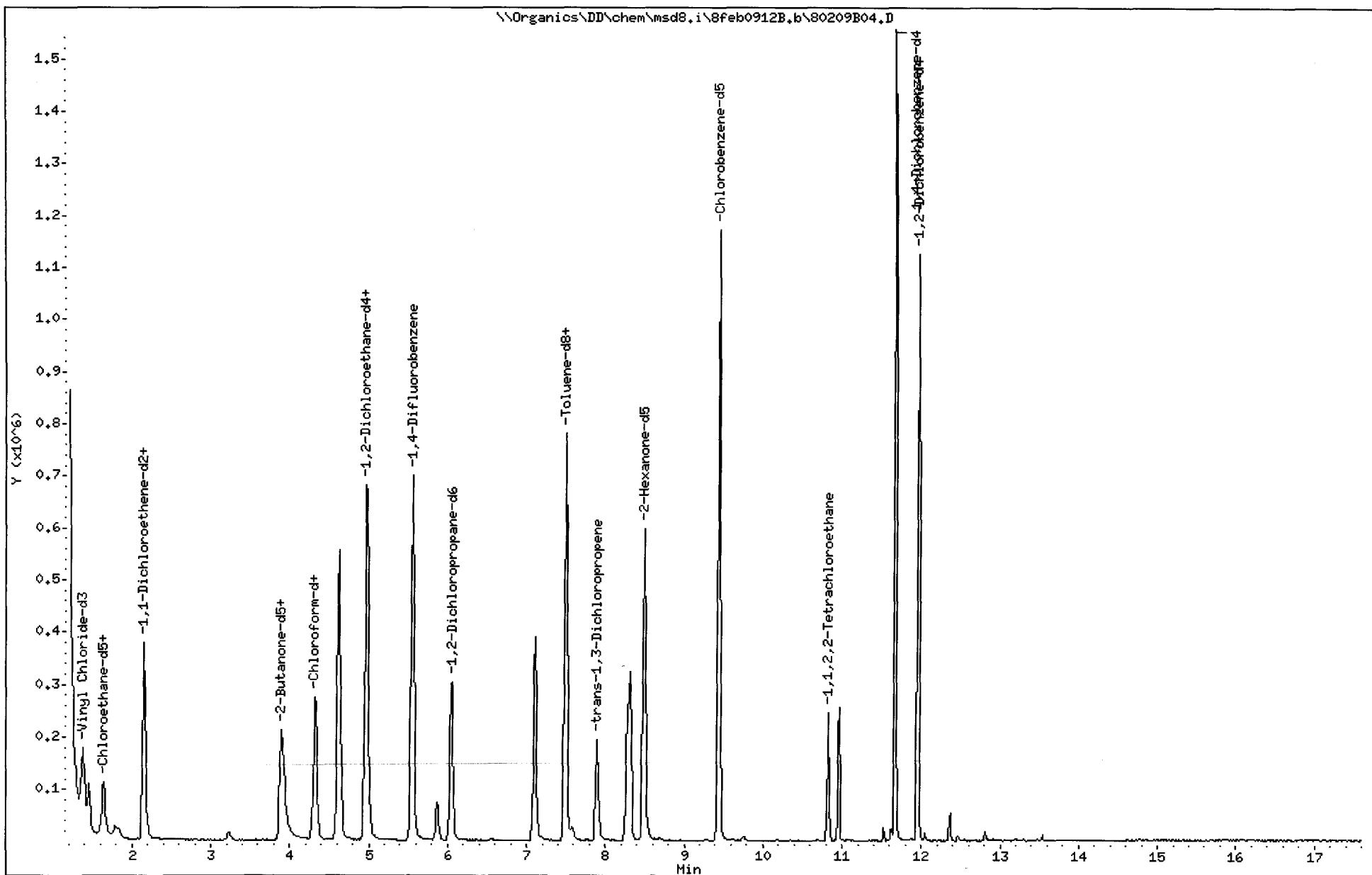
CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
10.963	416132	0.84592005	0.8459	0		0	85

Data File: \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B04.D
Date : 09-FEB-2012 19:29
Client ID: F5AW9
Sample Info: 8feb0912B.b, NB02045-004
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

Page 3

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Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

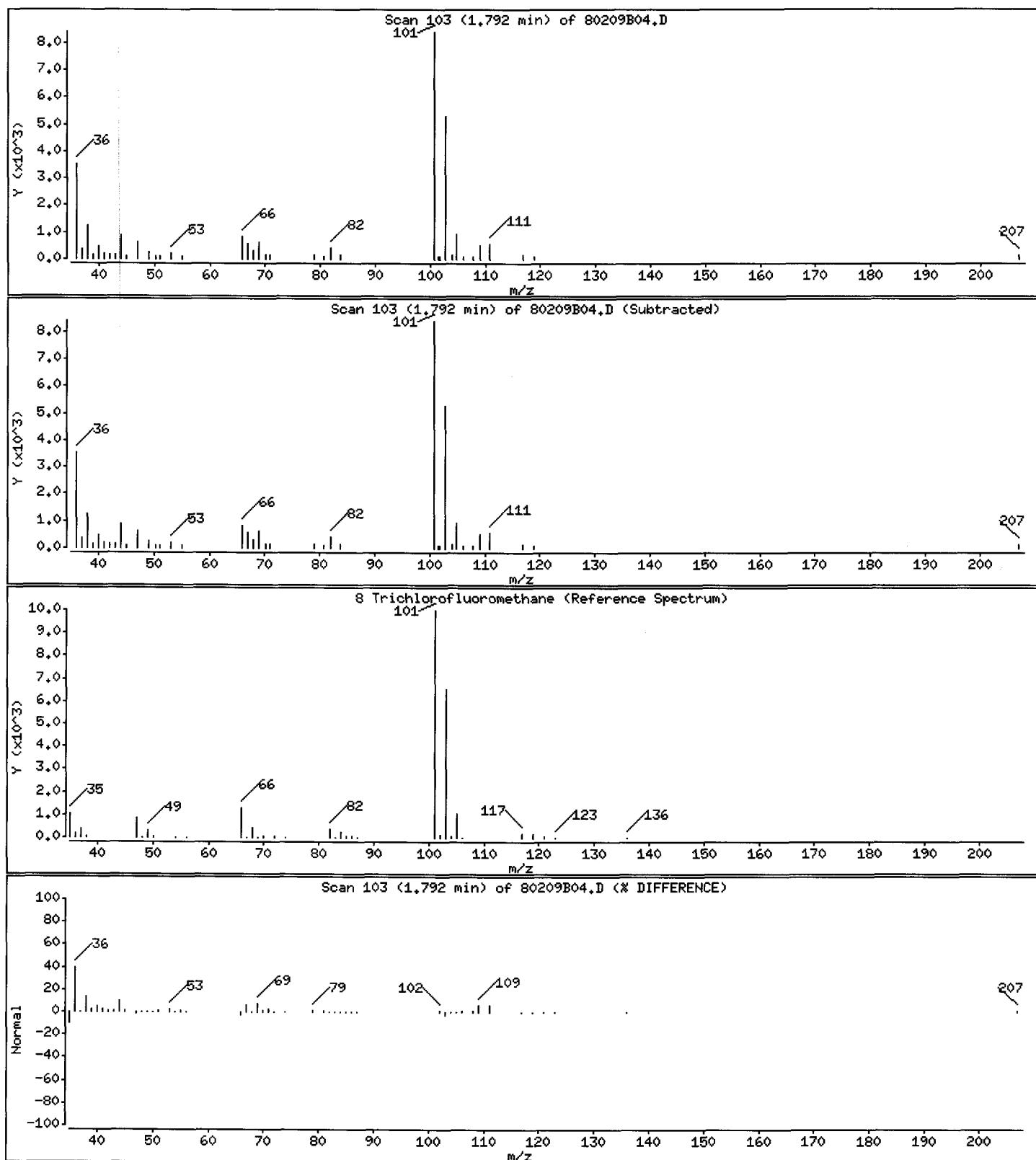
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

8 Trichlorofluoromethane

Concentration: 0.8846 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

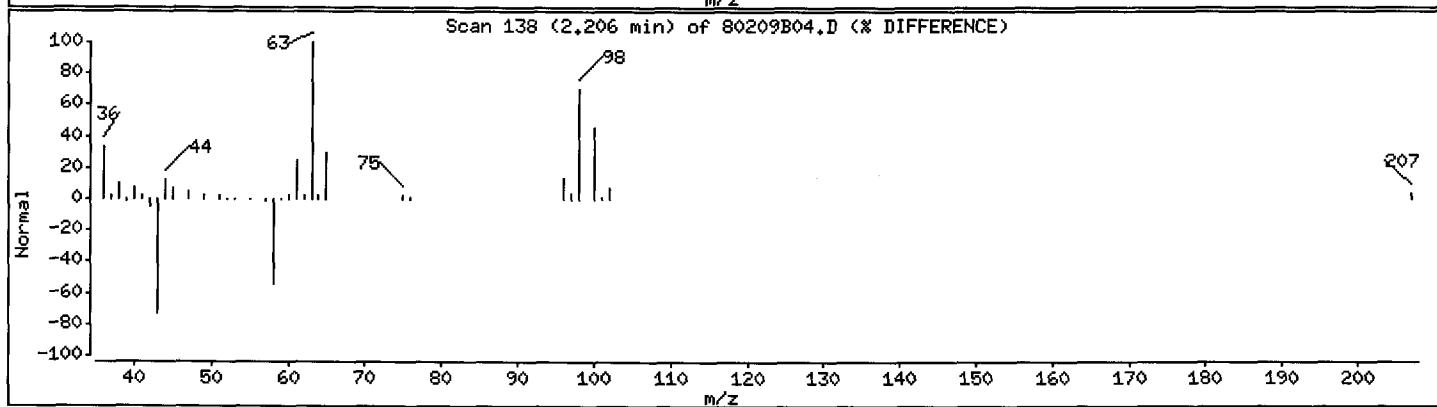
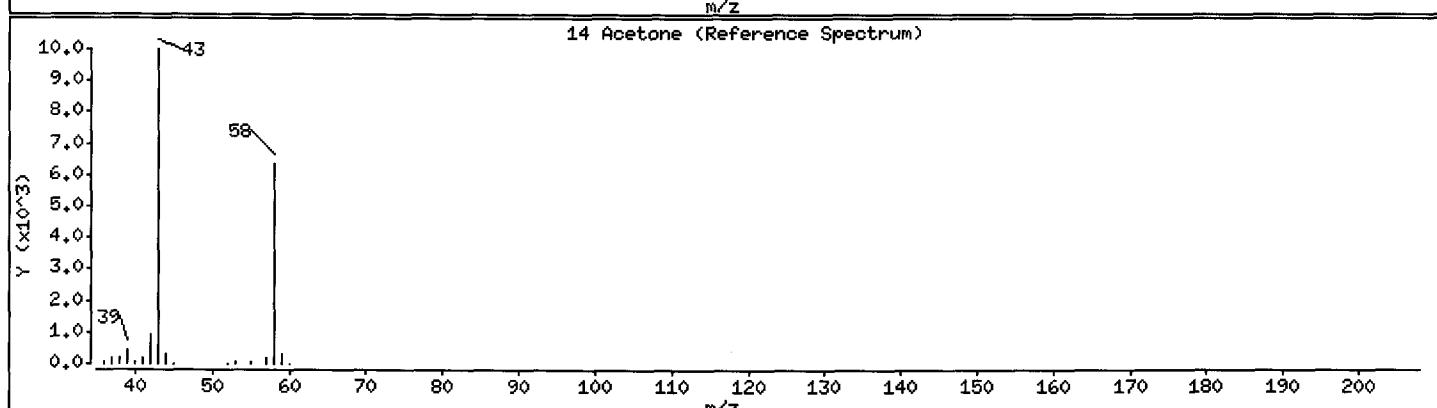
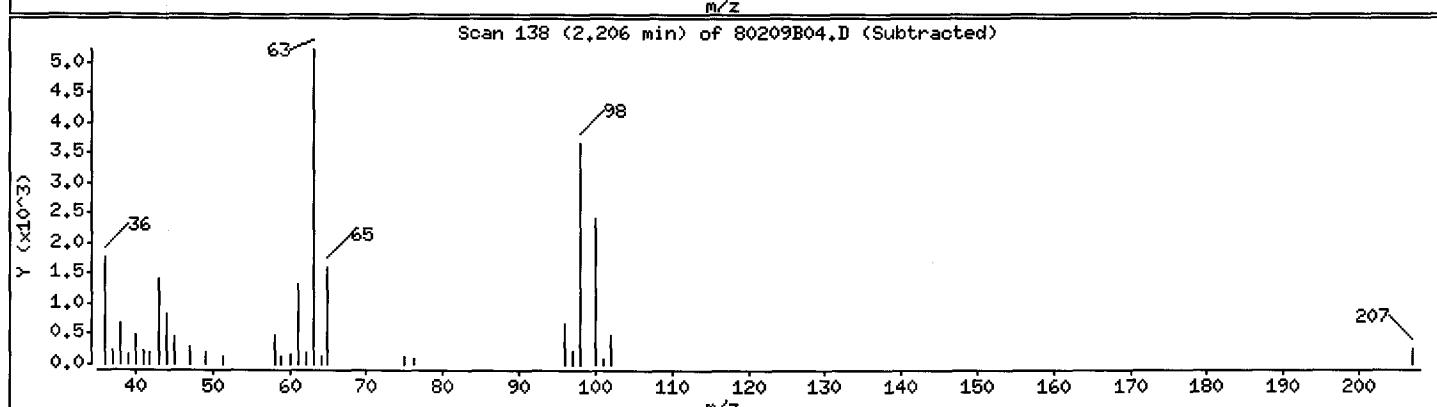
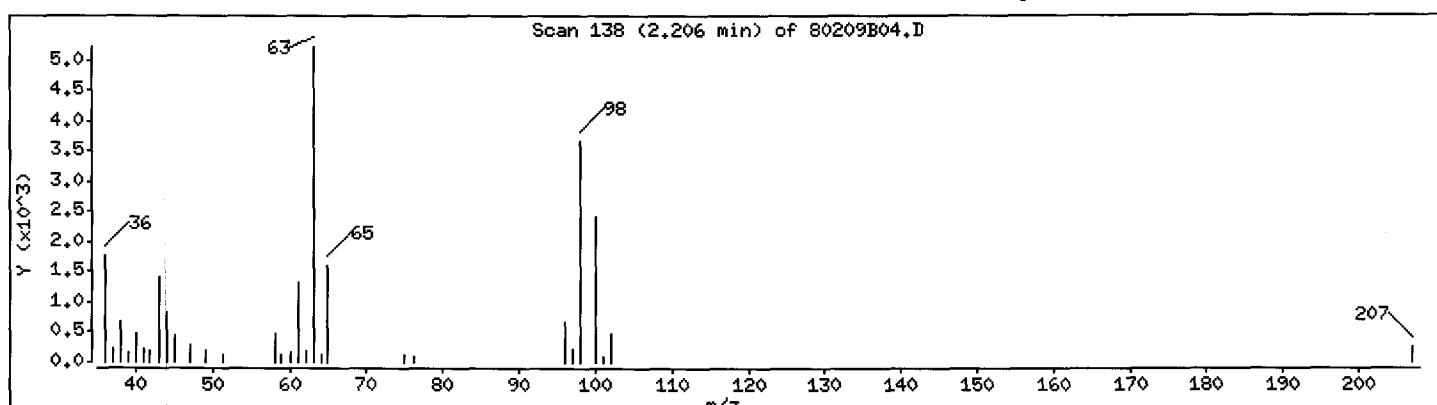
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 1.6186 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

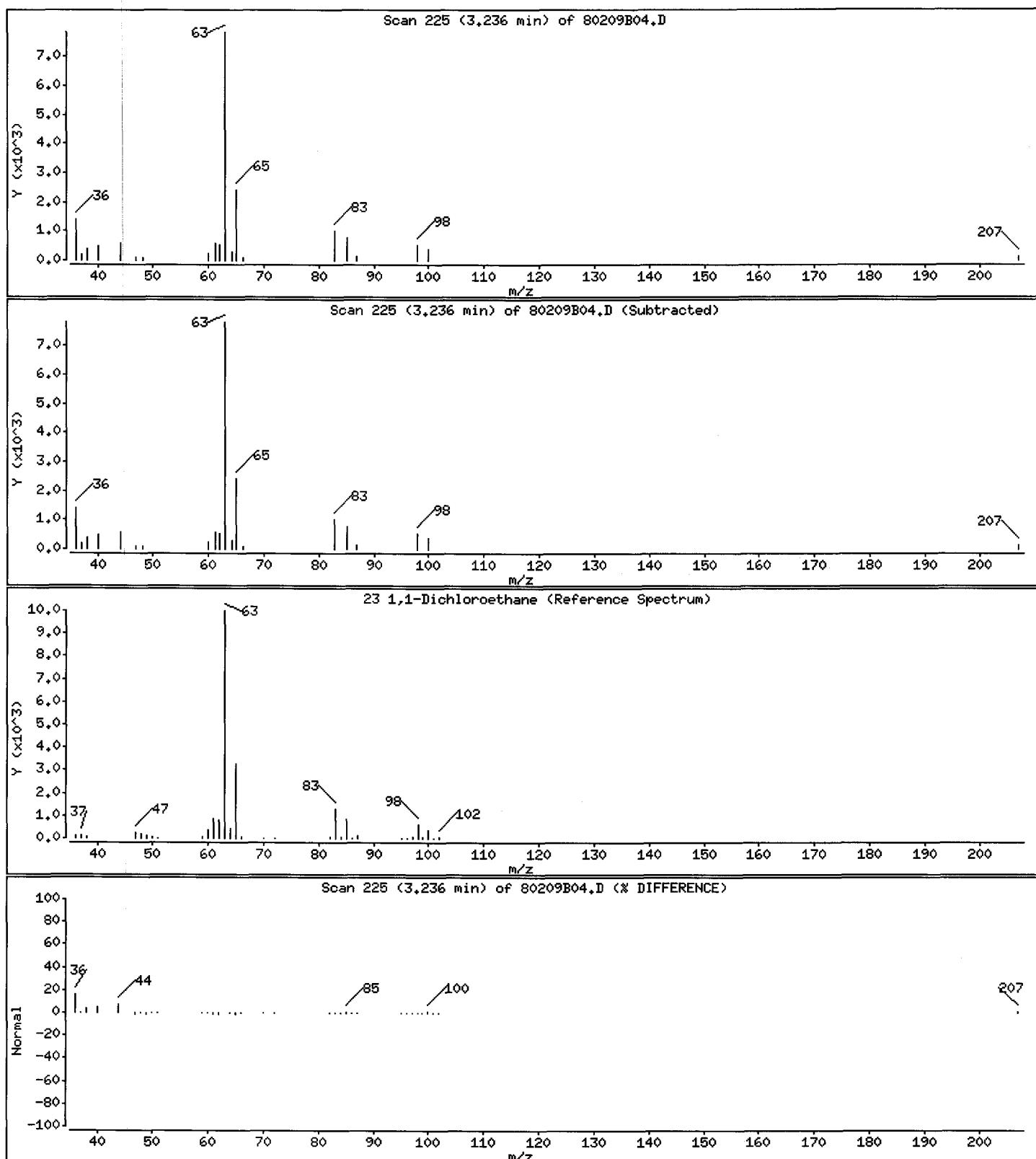
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

23 1,1-Dichloroethane

Concentration: 0.3676 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8,i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

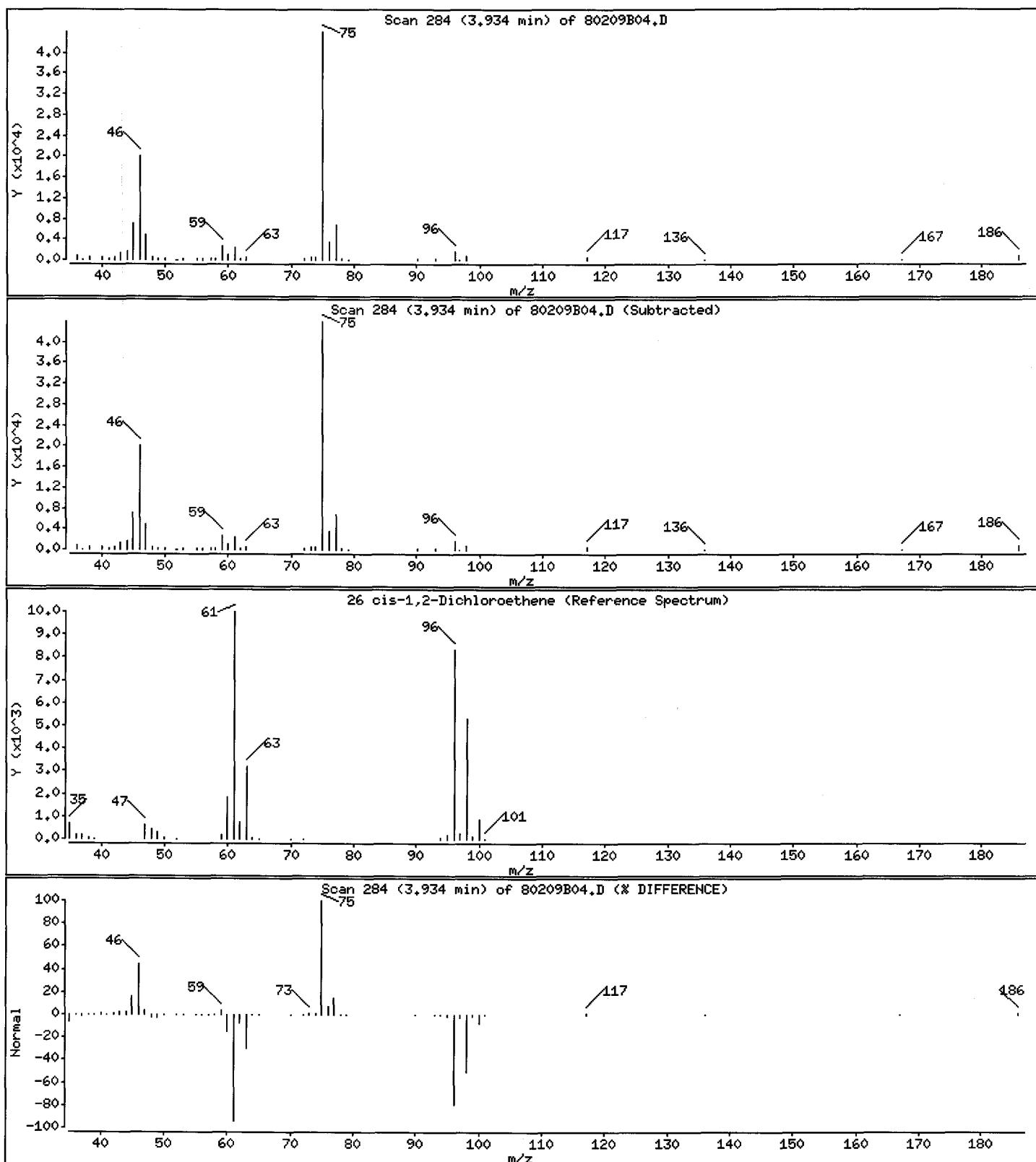
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

26 cis-1,2-Dichloroethene

Concentration: 0.1186 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

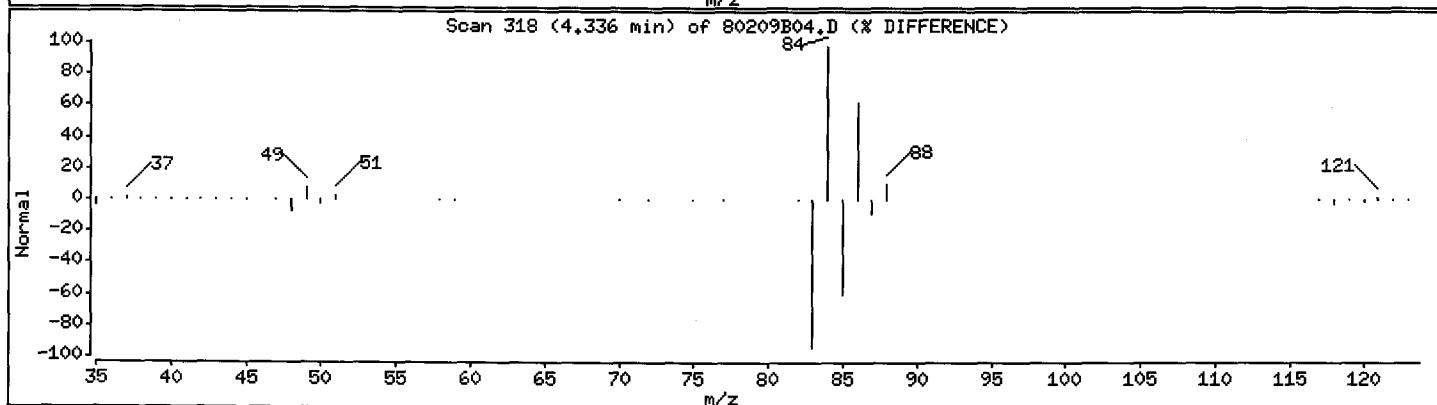
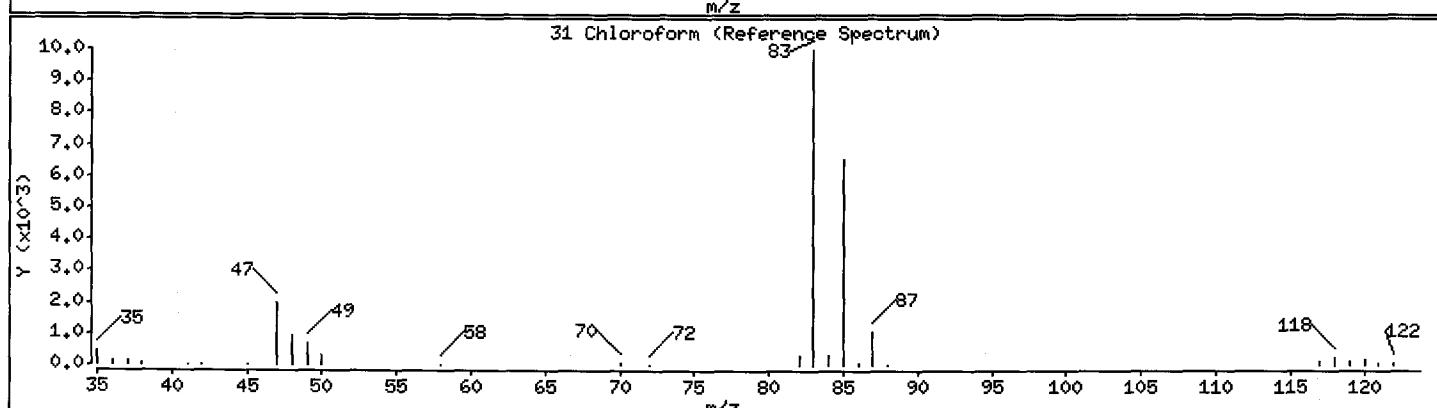
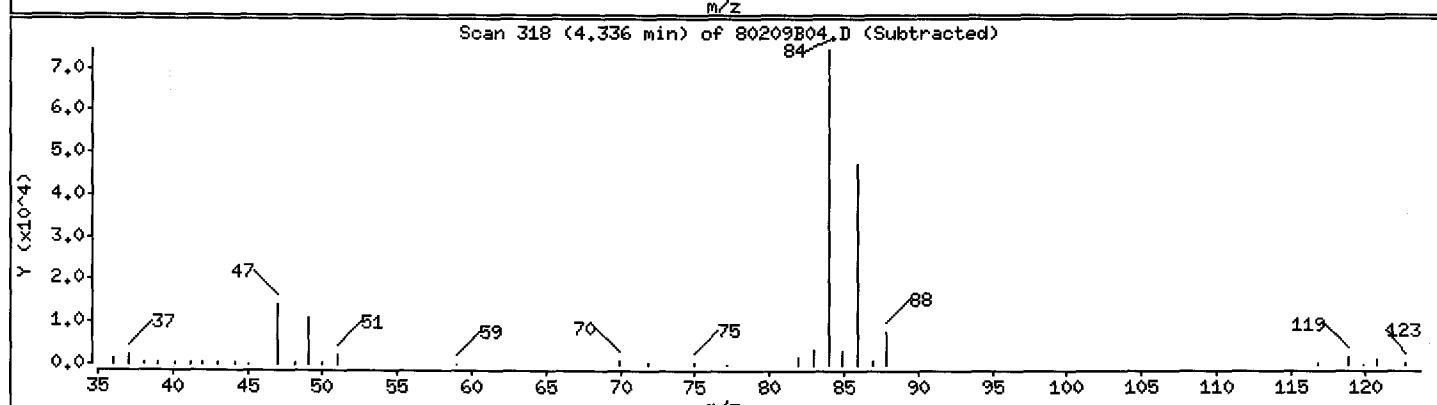
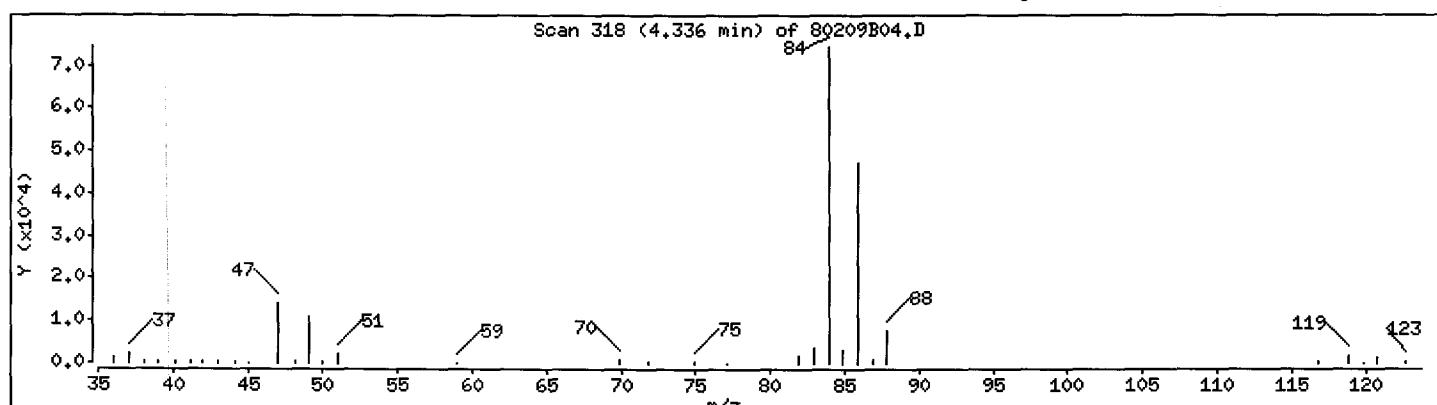
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.1970 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8,i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

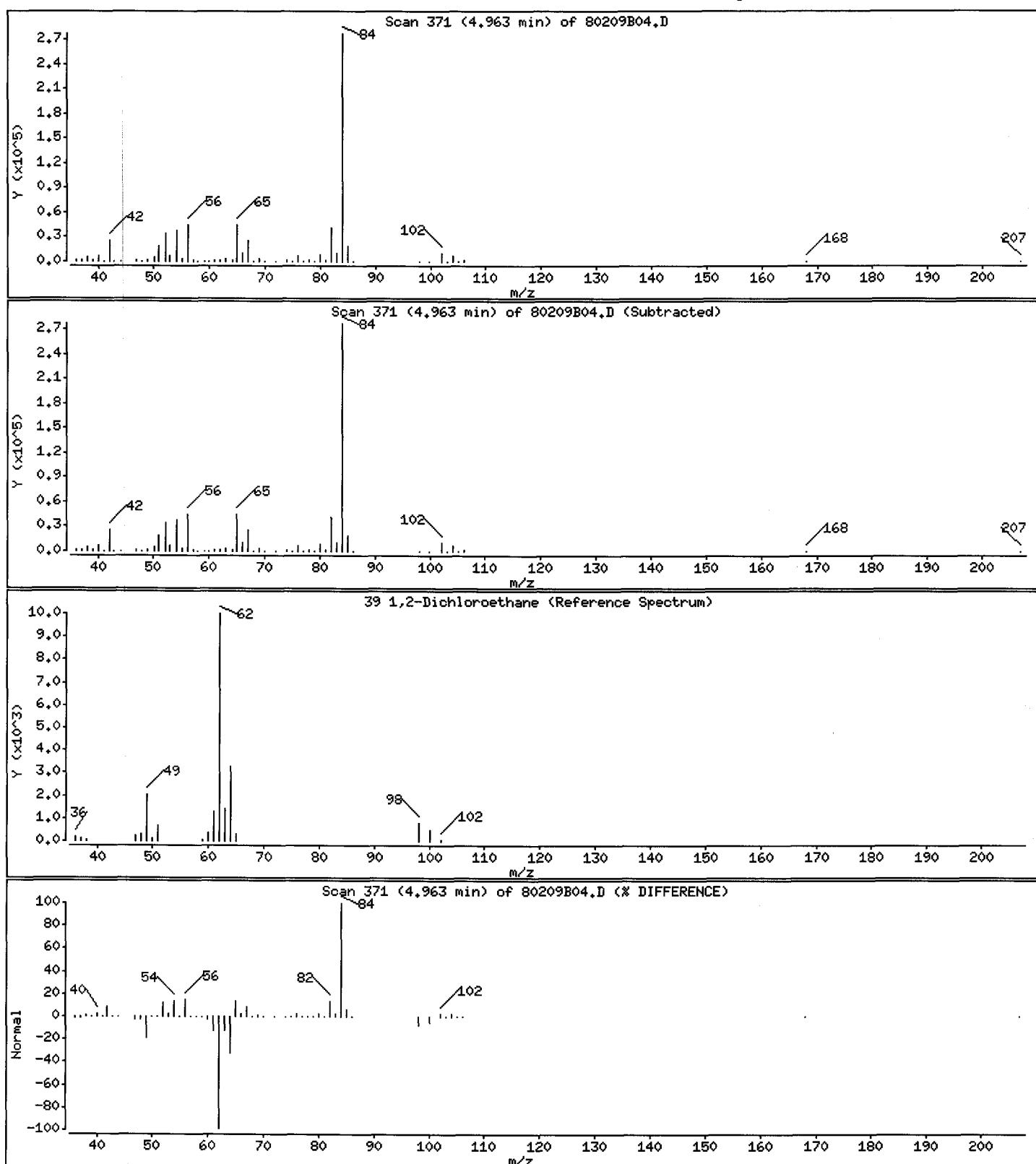
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

39 1,2-Dichloroethane

Concentration: 0.1250 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

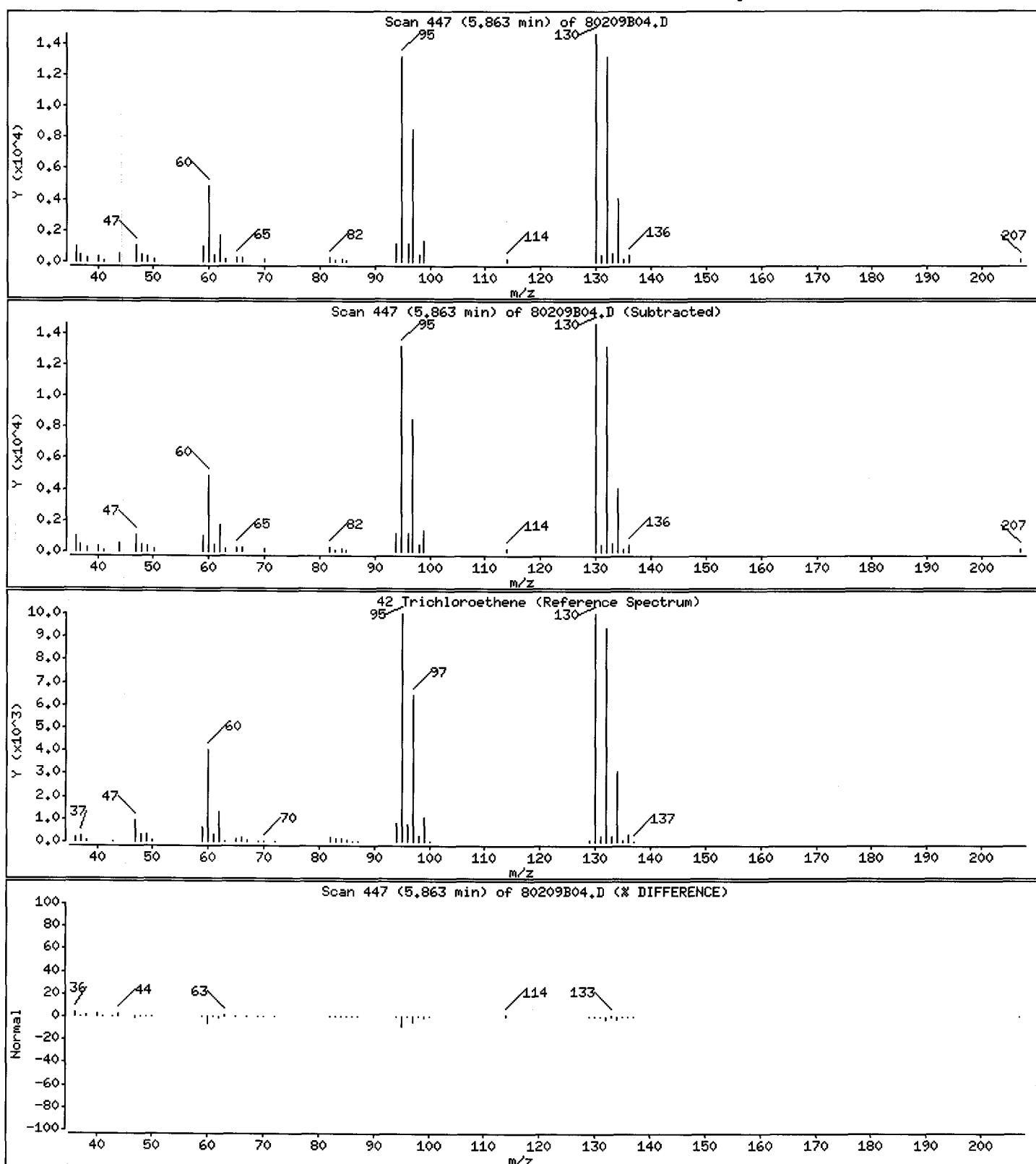
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.9747 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

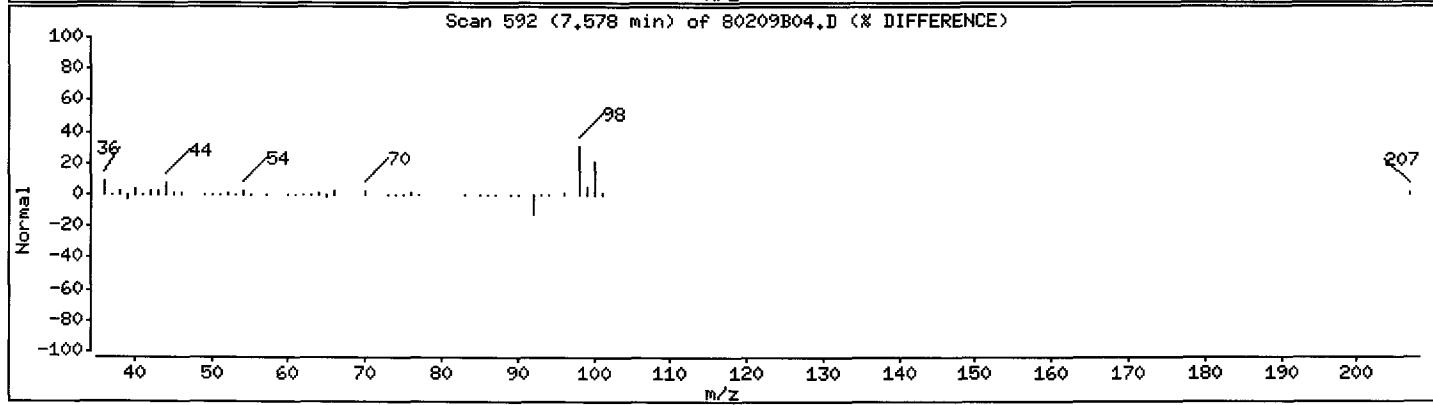
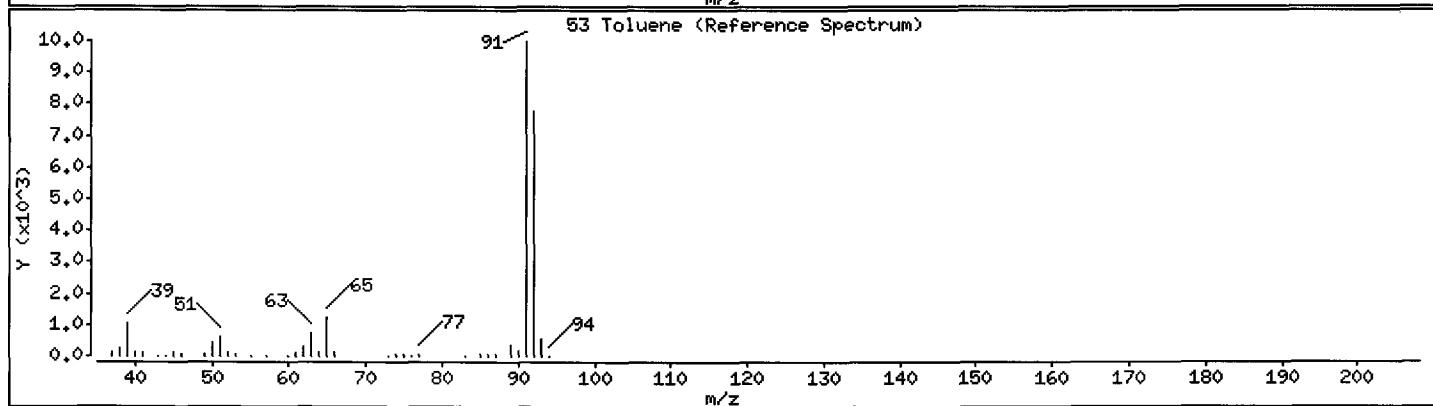
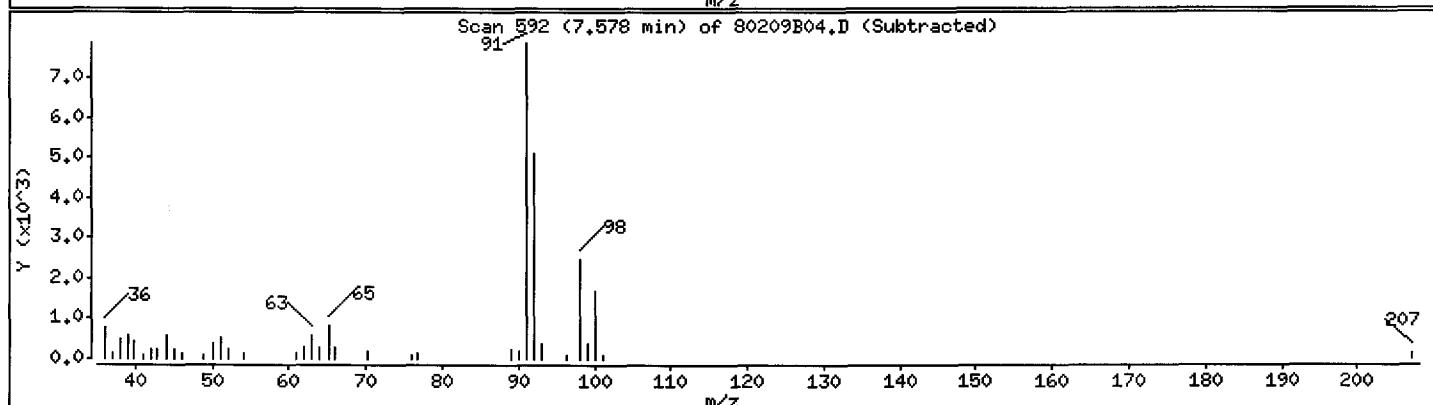
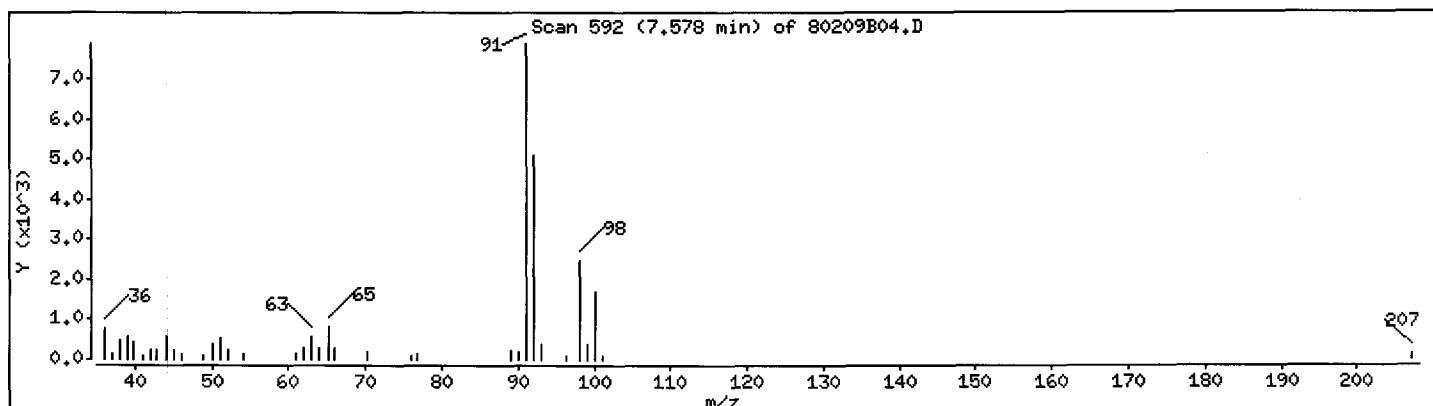
Operator: JJC

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.1324 ug/L



Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

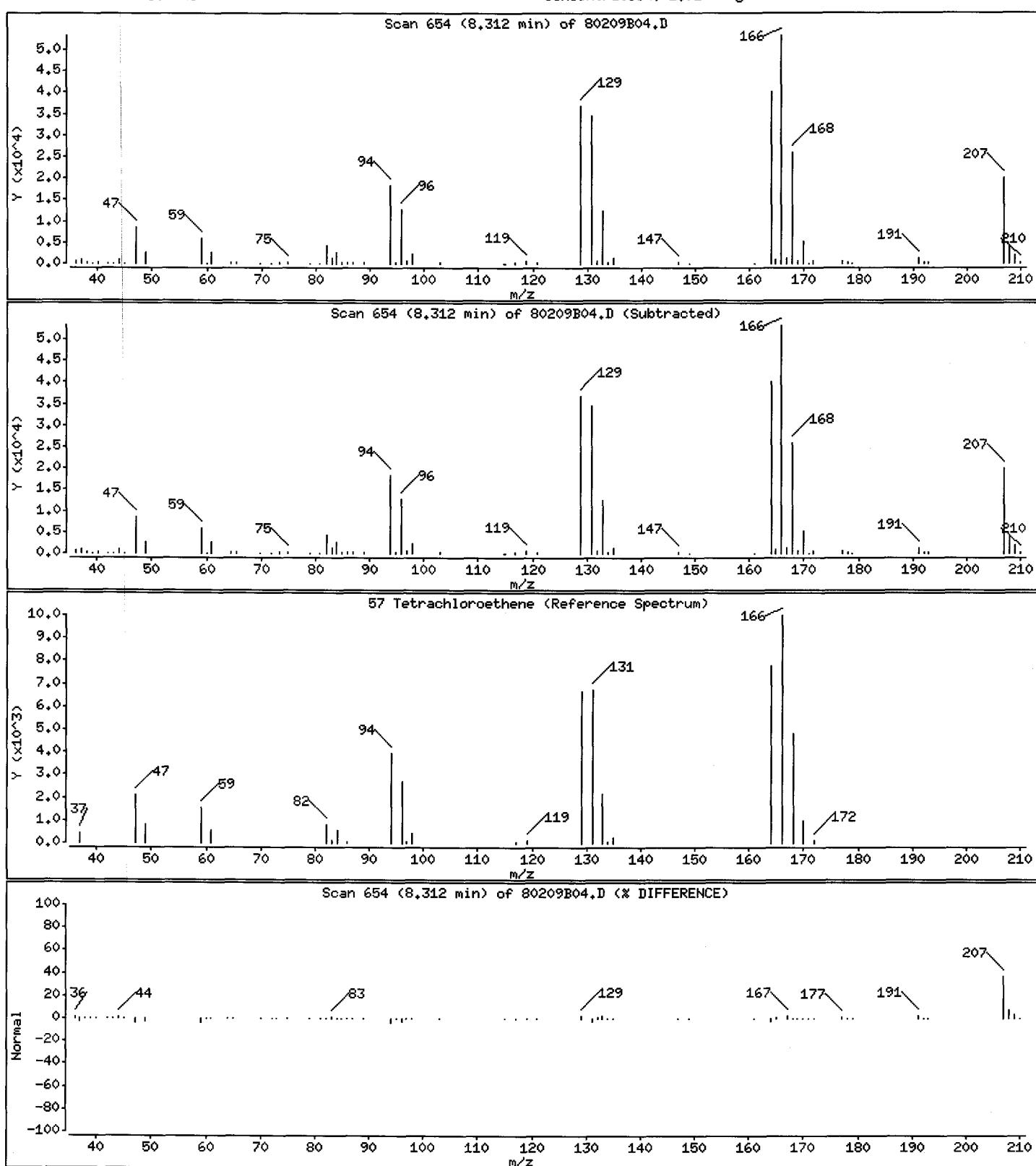
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 2.9231 ug/L



Data File: \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B04.D

Page 13

Date : 09-FEB-2012 19:29

Client ID: F5AW9

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-004

Purge Volume: 25.0

Operator: JJG

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match

CAS Number Library

Entry

Quality

Formula

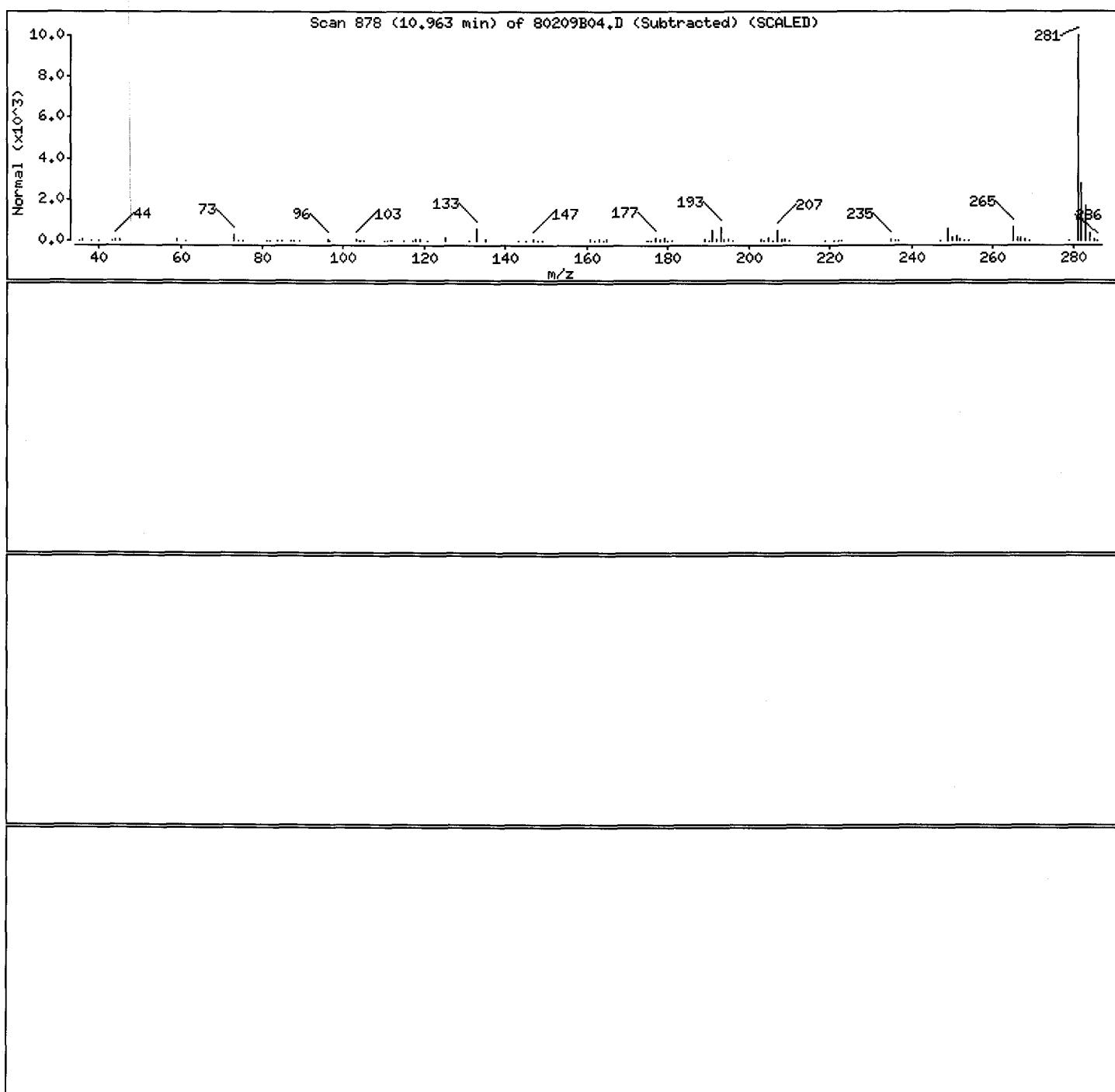
Weight

Unknown

0

0

0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX0

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-005

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B05

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	4.9	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	7.8	
156-59-2	cis-1,2-Dichloroethene	3.1	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.46	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.51	

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX0

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-005

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B05

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
79-01-6	Trichloroethene	3.3	B
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.19	J
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.15	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	4.9	B
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AX0

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-005

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B05

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B05.D
Lab Smp Id: NB02045-005 Client Smp ID: F5AX0
Inj Date : 09-FEB-2012 19:51
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-005
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 57
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl Chloride-d3	65		1.377	1.366 (0.248)		240501	6.07685	6.0768
4 Vinyl Chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.638	1.638 (0.295)		182026	5.88235	5.8823
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.147 (0.387)		422499	5.86681	5.8668(R)
13 1,1-Dichloroethene	96		2.158	2.158 (0.389)		171804	4.85542	4.8554
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
14 Acetone	43					Compound Not Detected.		
15 Carbon Disulfide	76					Compound Not Detected.		
16 Methyl Acetate	43					Compound Not Detected.		
17 Methylene Chloride	84					Compound Not Detected.		
20 Methyl tert-Butyl Ether	73					Compound Not Detected.		
21 trans-1,2-Dichloroethene	96					Compound Not Detected.		
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)			532259	7.83911	7.8391
\$ 25 2-Butanone-d5	46	3.898	3.898 (0.702)			322270	43.6059	43.6058(Q)
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)			124148	3.11023	3.1102
28 2-Butanone	43					Compound Not Detected.		
29 Bromochloromethane	128					Compound Not Detected.		
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)			366791	5.64167	5.6416(Q)
31 Chloroform	83	4.348	4.348 (0.783)			28151	0.46008	0.4600(a)
33 1,1,1-Trichloroethane	97					Compound Not Detected.		

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
32 Cyclohexane		56				Compound Not Detected.	
34 Carbon Tetrachloride		117				Compound Not Detected.	
\$ 38 1,2-Dichloroethane-d4		65	4.975	4.975 (0.896)	137072	5.45694	5.4569
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)	889800	5.94881	5.9488
37 Benzene		78				Compound Not Detected.	
39 1,2-Dichloroethane		62	5.069	5.069 (0.913)	14731	0.50617	0.5061
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)	898798	5.00000	
42 Trichloroethene		95	5.874	5.874 (0.623)	122466	3.26873	3.2687
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)	230026	5.17243	5.1724
43 Methylcyclohexane		83				Compound Not Detected.	
45 1,2-Dichloropropane		63	6.170	6.170 (0.654)	6089	0.18600	0.1860(a)
49 Bromodichloromethane		83				Compound Not Detected.	
50 cis-1,3-Dichloropropene		75				Compound Not Detected.	
51 4-Methyl-2-pentanone		43				Compound Not Detected.	
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)	803194	5.90419	5.9041
53 Toluene		91	7.590	7.590 (0.804)	21780	0.14634	0.1463(a)
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)	166667	5.07245	5.0724
55 trans-1,3-Dichloropropene		75				Compound Not Detected.	
56 1,1,2-Trichloroethane		97				Compound Not Detected.	
57 Tetrachloroethene		164	8.312	8.312 (0.881)	155104	4.94820	4.9482
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)	333648	46.4599	46.4599
60 2-Hexanone		43				Compound Not Detected.	
61 Dibromochloromethane		129				Compound Not Detected.	
62 1,2-Dibromoethane		107				Compound Not Detected.	
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)	816609	5.00000	
64 Chlorobenzene		112				Compound Not Detected.	
65 Ethylbenzene		91				Compound Not Detected.	
67 m+p-Xylenes		106				Compound Not Detected.	
68 o-Xylene		106				Compound Not Detected.	
69 Styrene		104				Compound Not Detected.	
70 Bromoform		173				Compound Not Detected.	
71 Isopropylbenzene		105				Compound Not Detected.	
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)	125775	5.44970	5.4496
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
83 1,3-Dichlorobenzene		146				Compound Not Detected.	
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)	422009	5.00000	
86 1,4-Dichlorobenzene		146				Compound Not Detected.	
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)	272398	5.72254	5.7225
89 1,2-Dichlorobenzene		146				Compound Not Detected.	
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.	
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.	

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B05.D
Lab Smp Id: NB02045-005 Client Smp ID: F5AX0
Inj Date : 09-FEB-2012 19:51
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-005
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 57
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

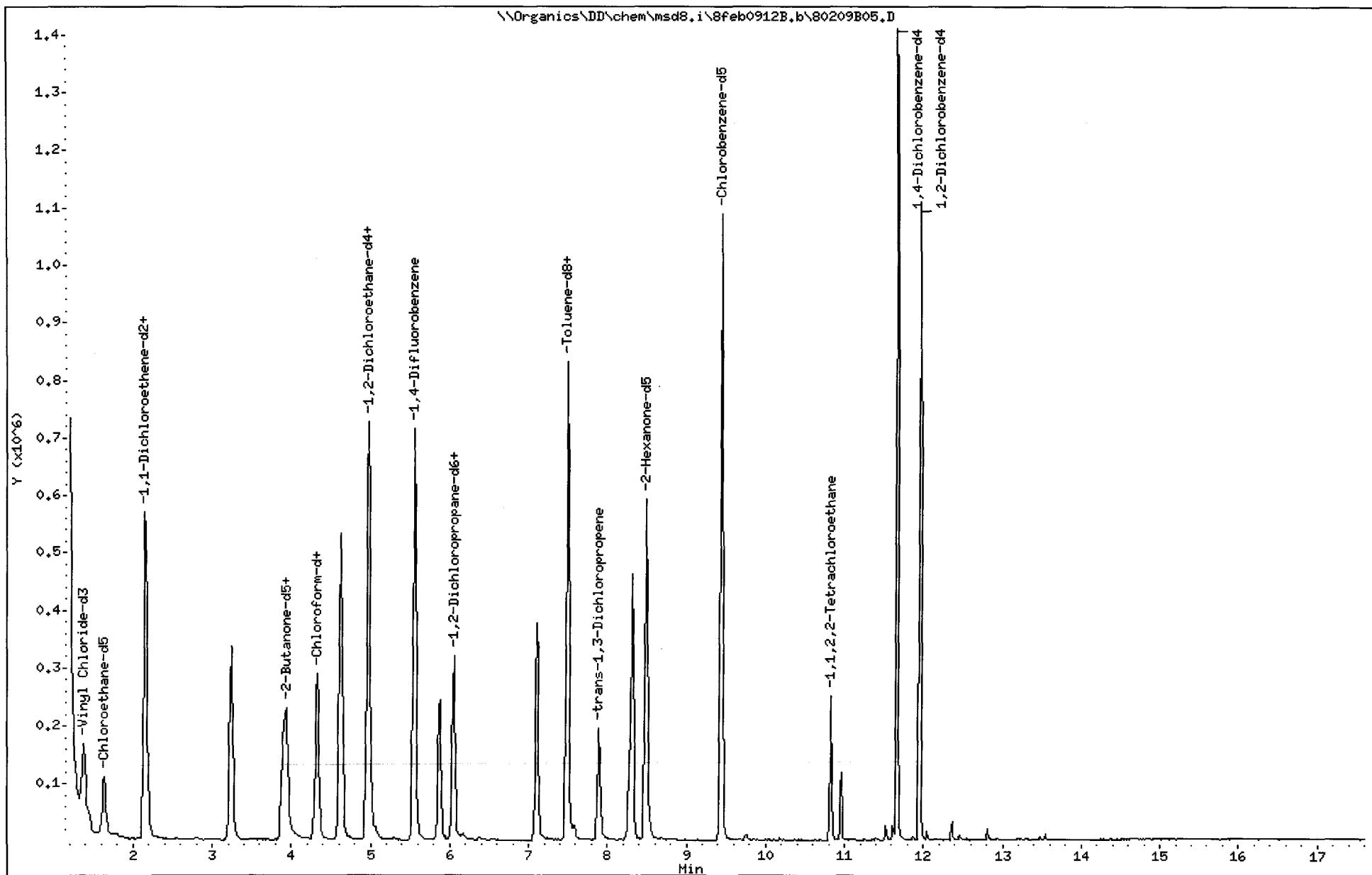
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B05.D
Date : 09-FEB-2012 19:51
Client ID: F5AX0
Sample Info: 8feb0912B.b, NB02045-005
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

Page 3

98 of 502



Date : 09-FEB-2012 19:51

Client ID: F5AX0

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

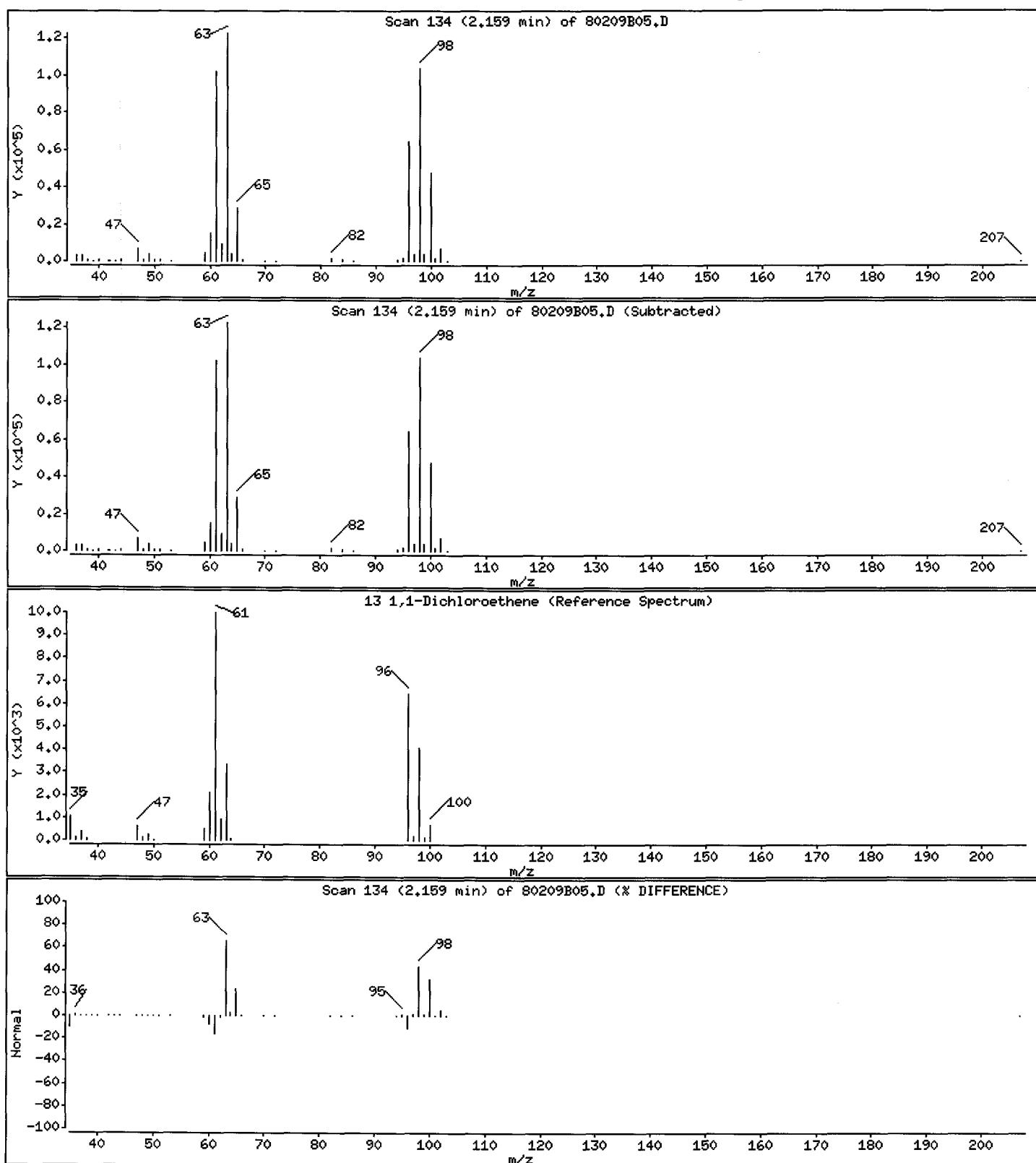
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 4.8554 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AXO

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

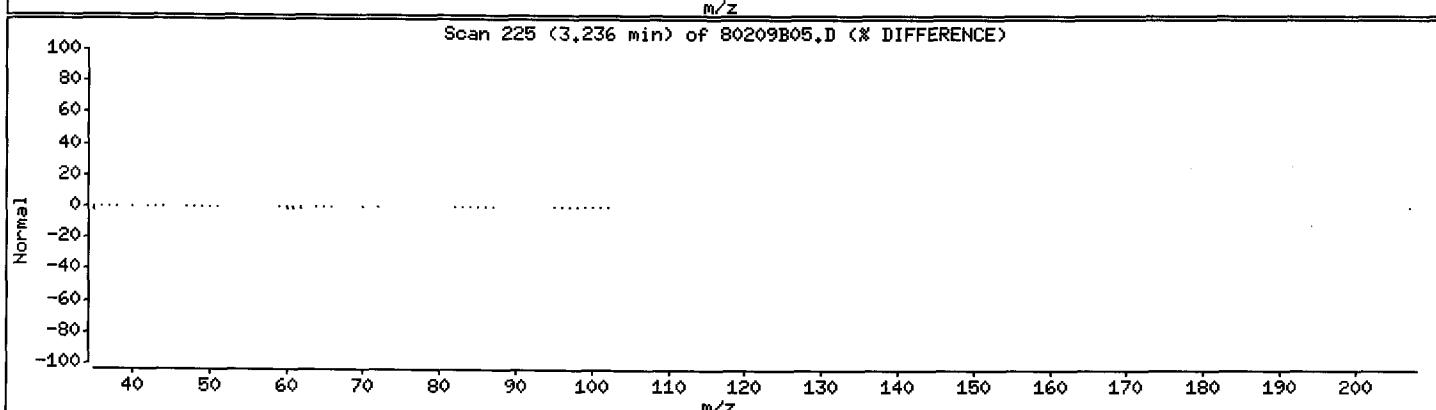
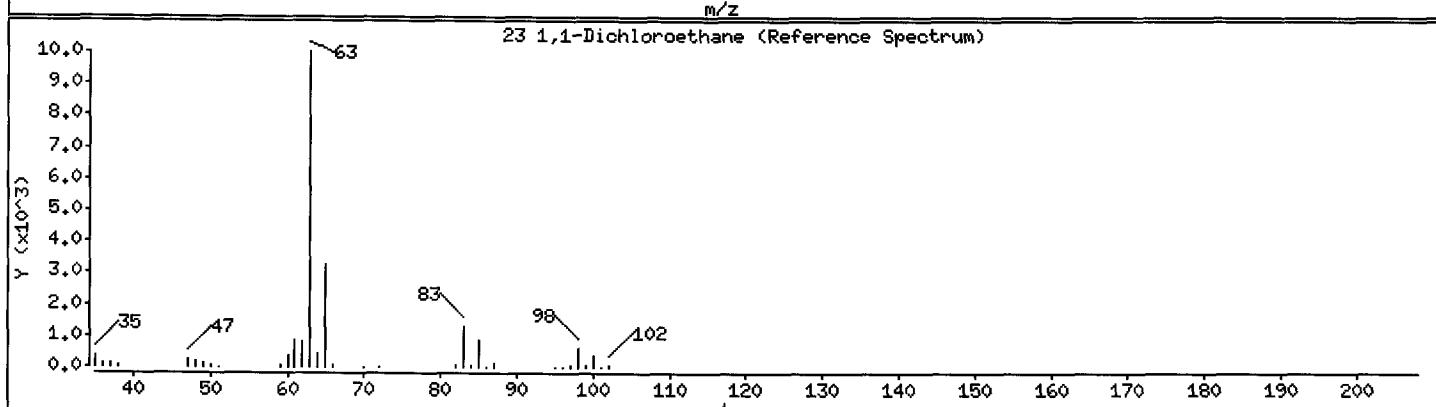
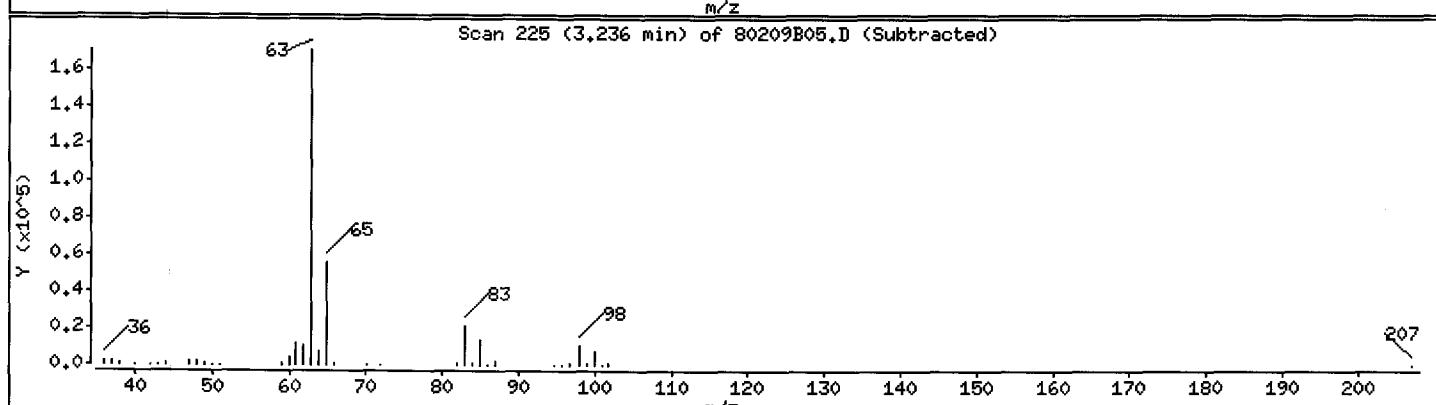
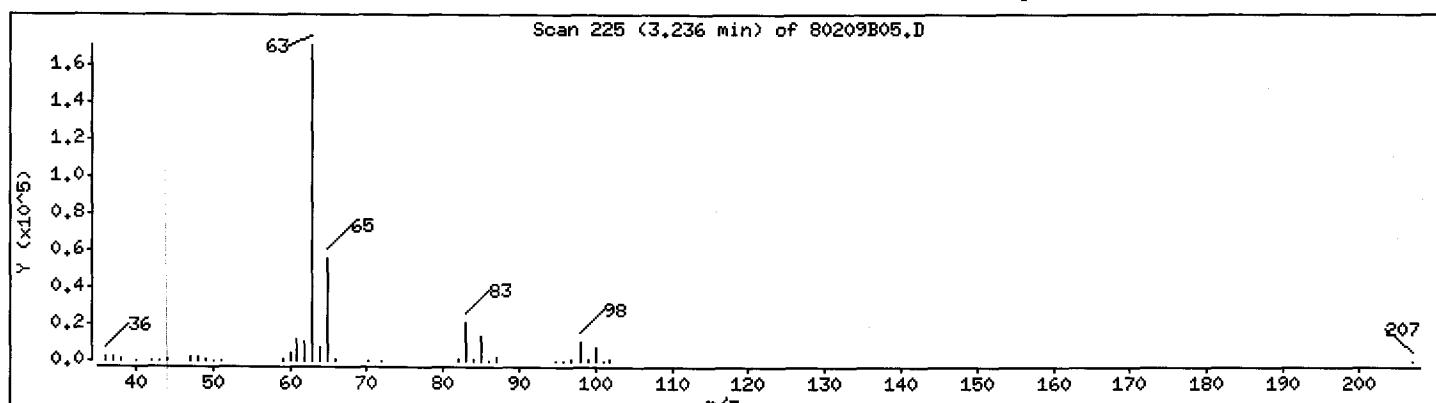
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

23 1,1-Dichloroethane

Concentration: 7.8391 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AXO

Instrument: msd8,i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

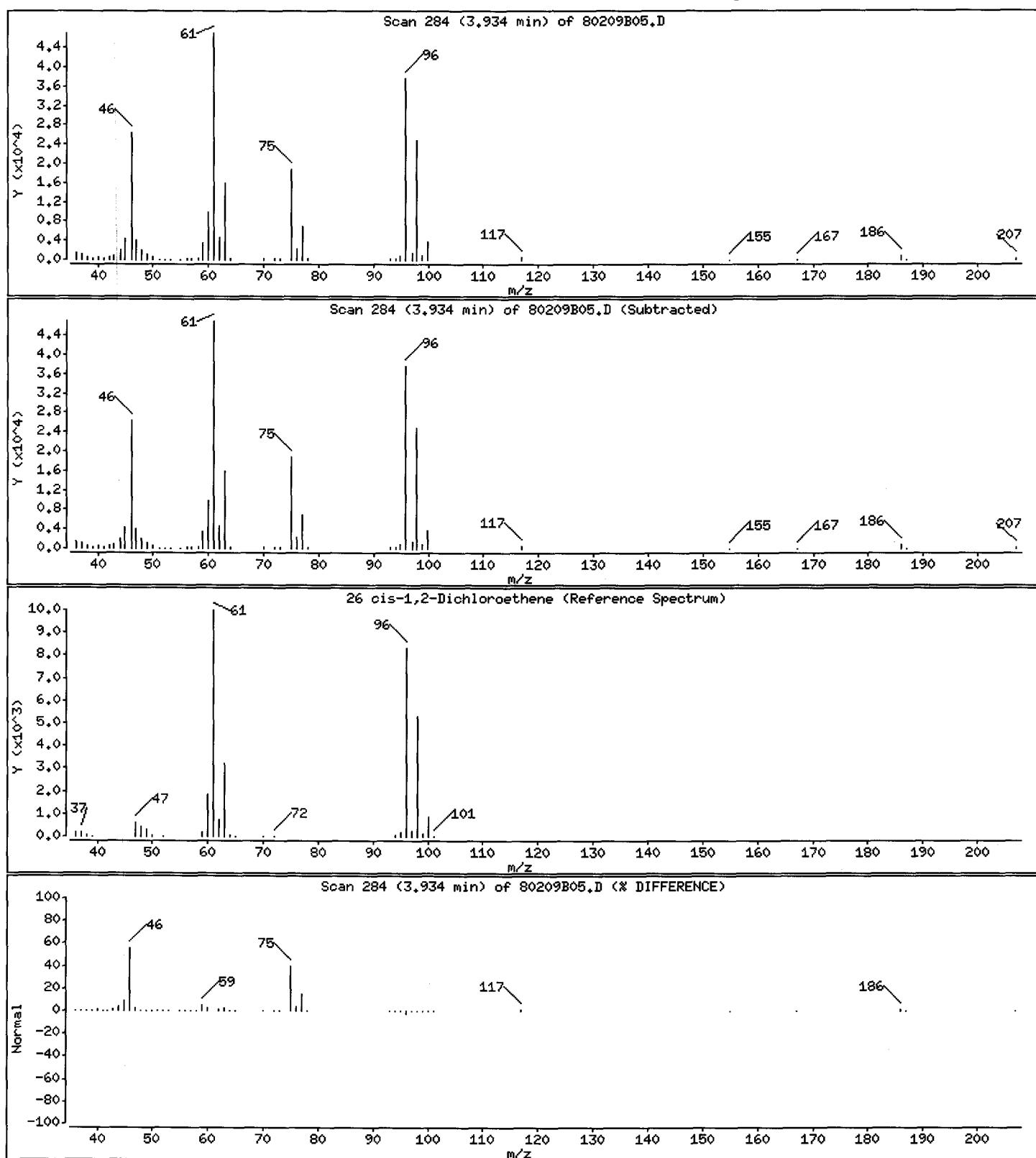
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

26 cis-1,2-Dichloroethene

Concentration: 3.1102 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AX0

Instrument: msd8,i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

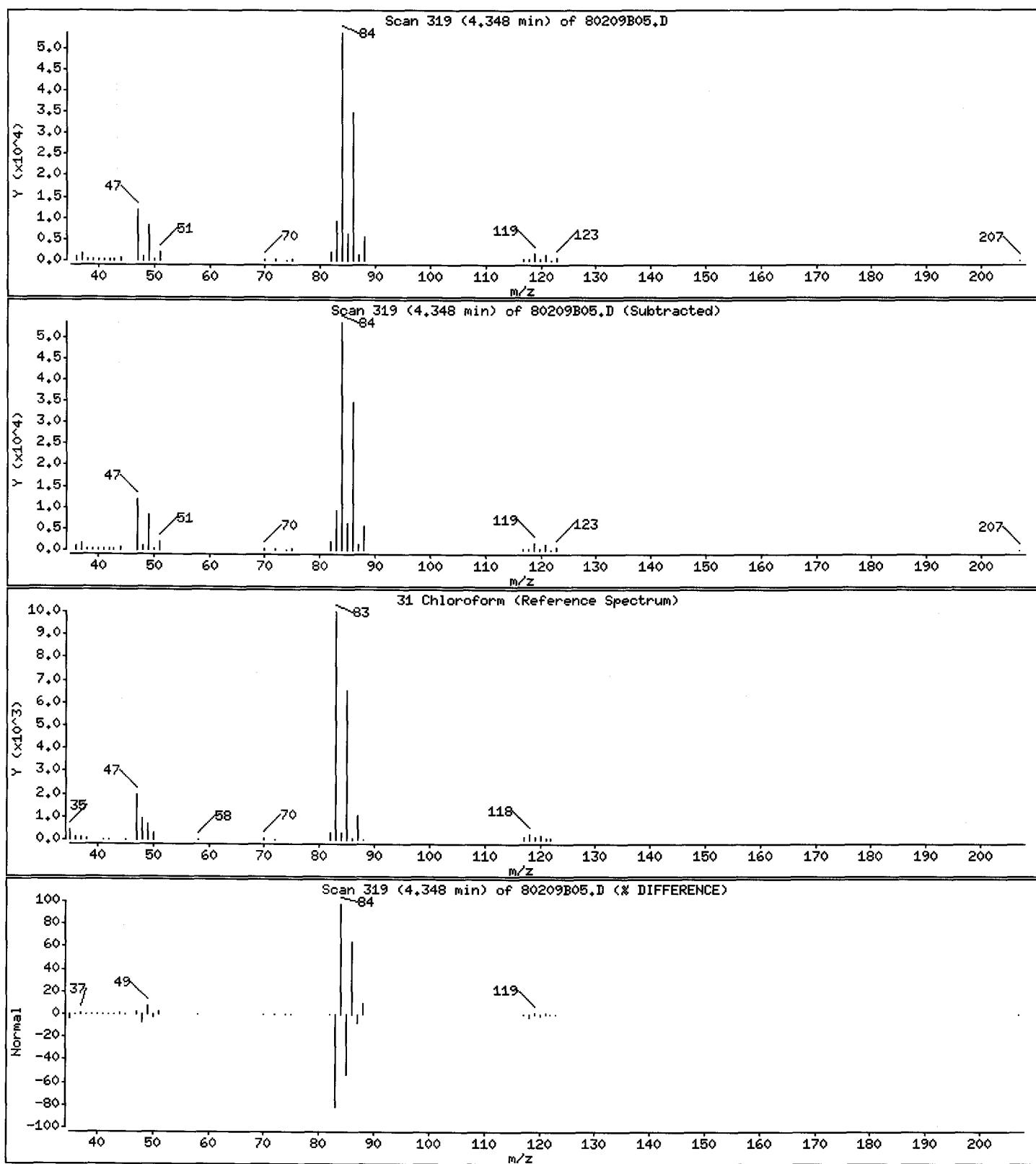
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.4600 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AX0

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

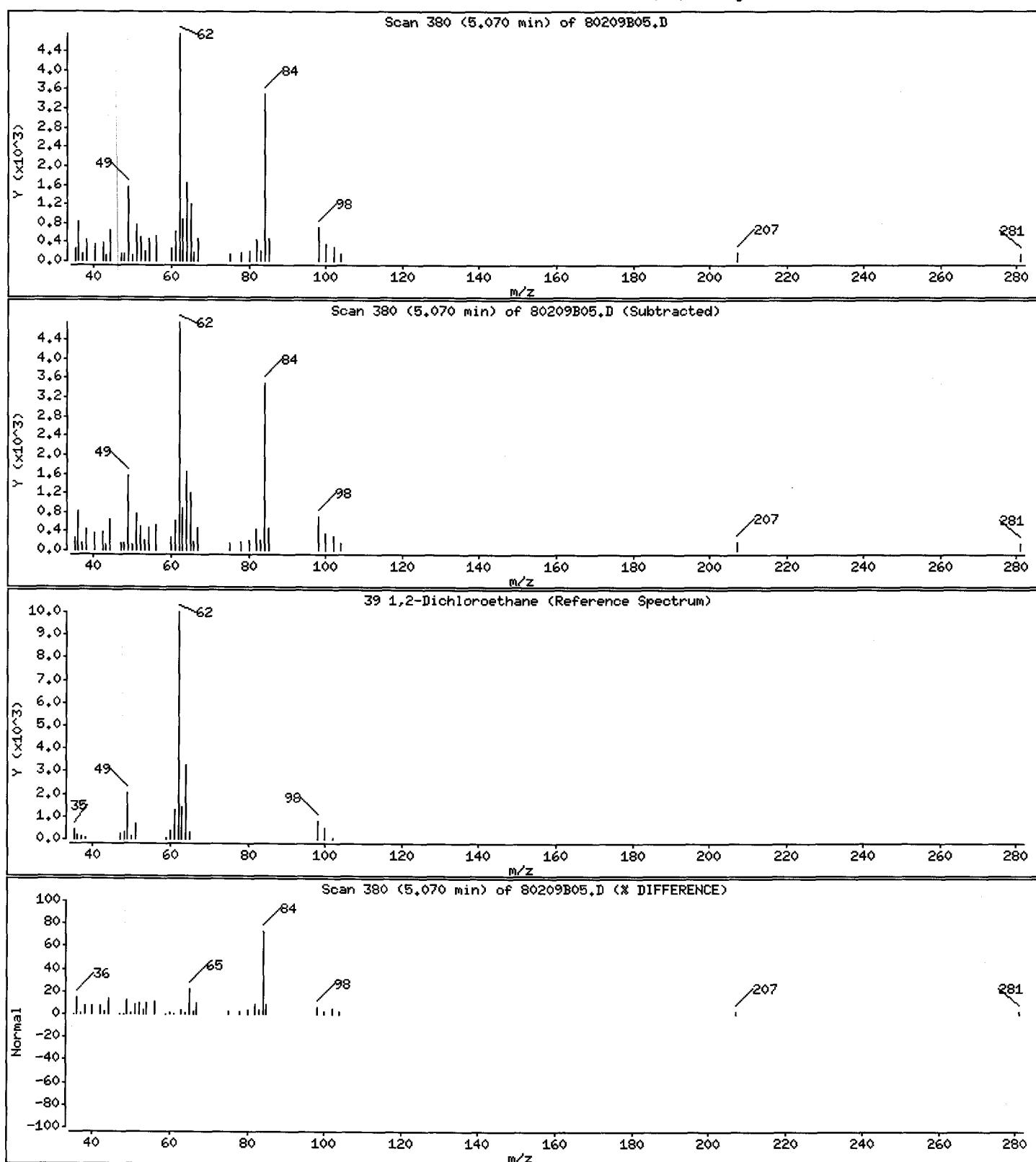
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

39 1,2-Dichloroethane

Concentration: 0.5061 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AX0

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

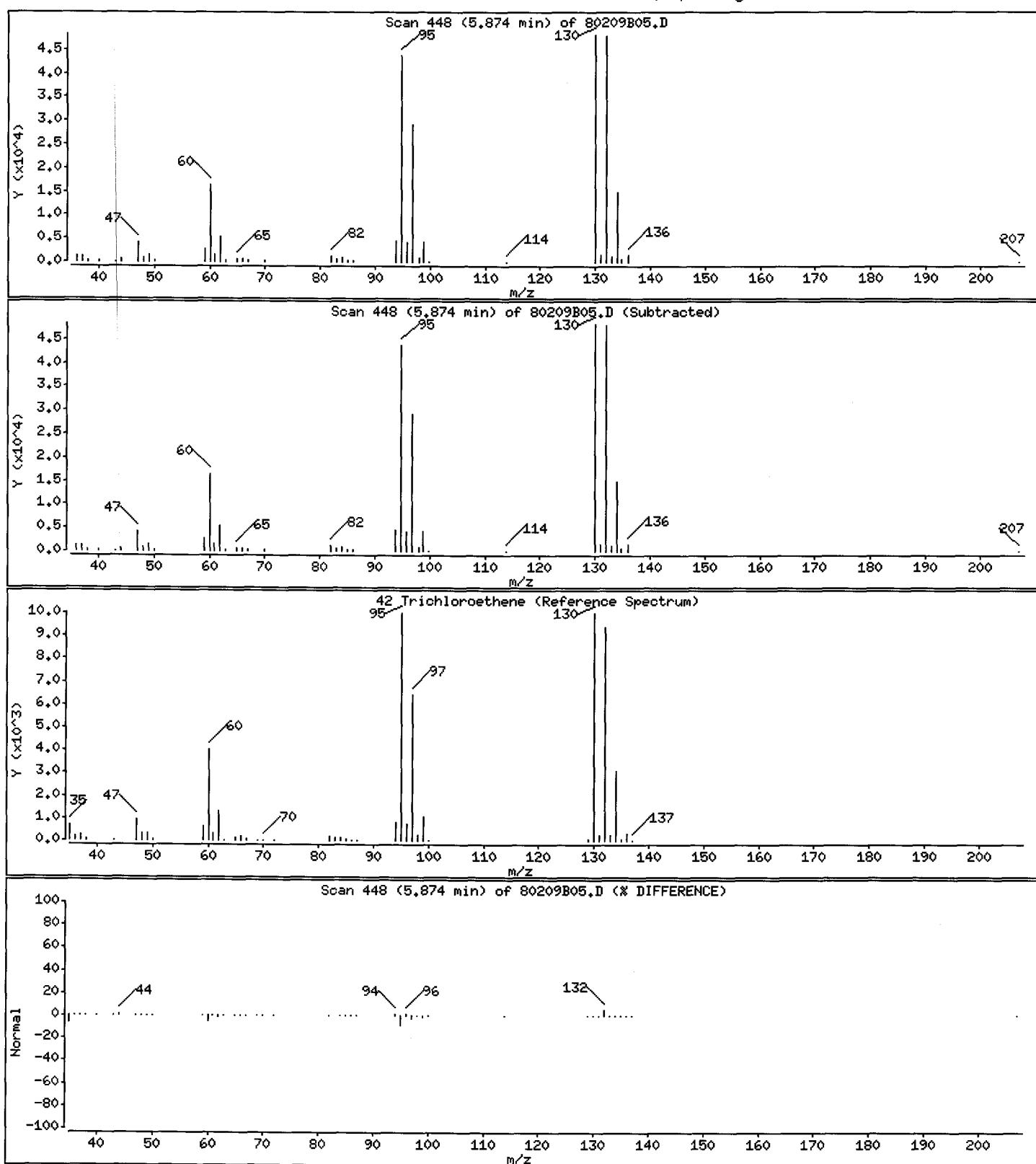
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 3.2687 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AX0

Instrument: msd8,i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

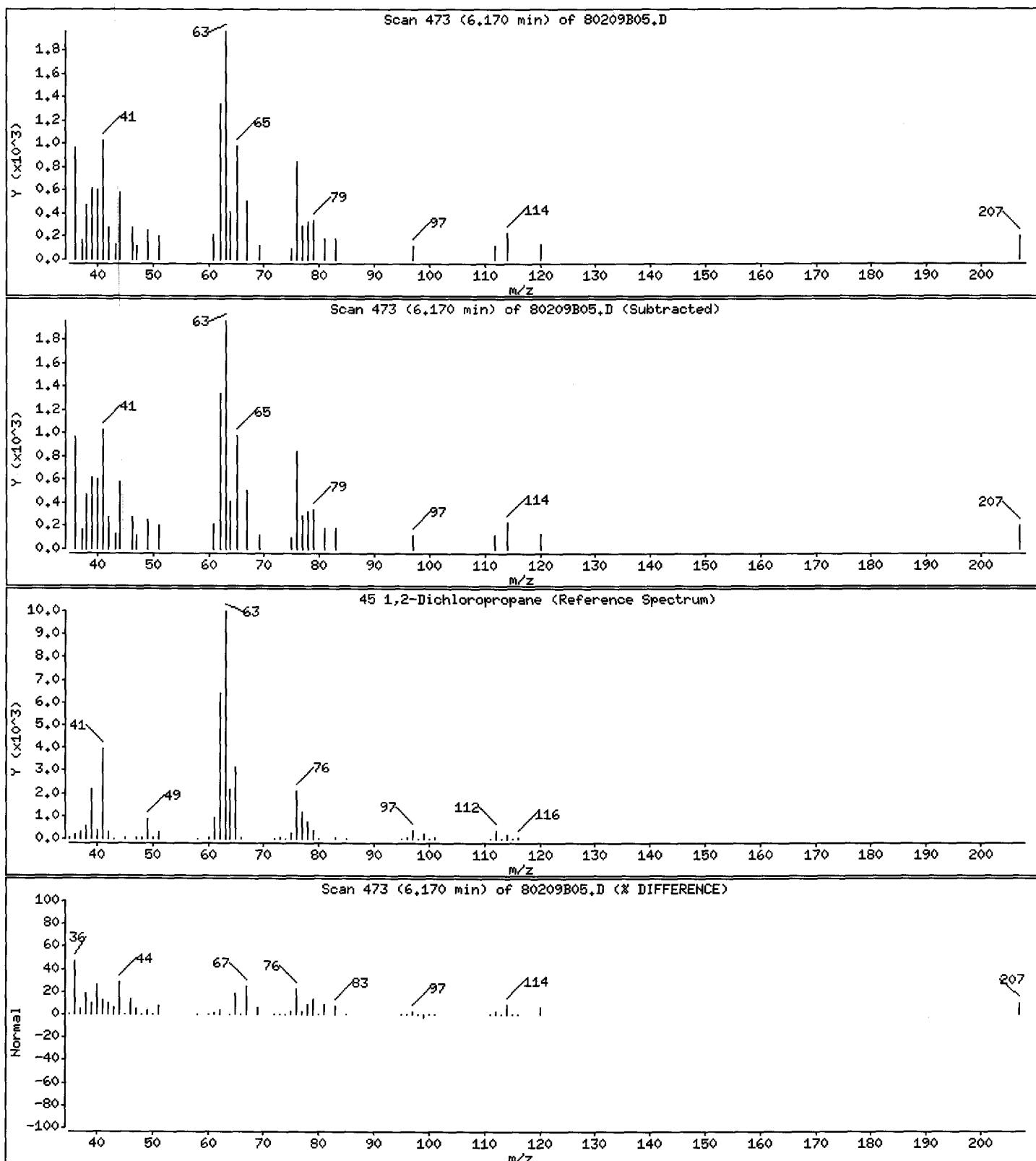
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

45 1,2-Dichloropropane

Concentration: 0.1860 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AX0

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

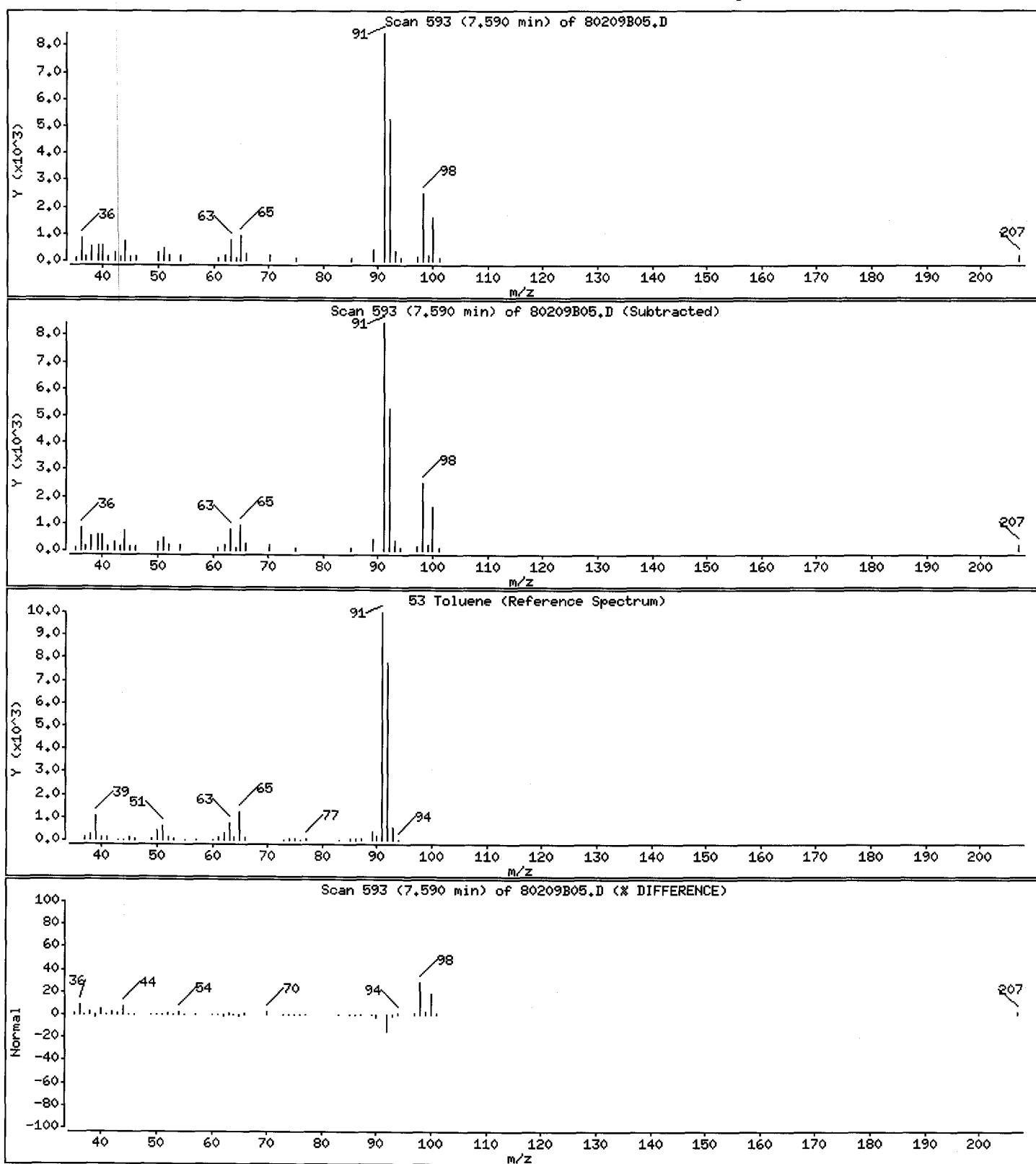
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.1463 ug/L



Date : 09-FEB-2012 19:51

Client ID: F5AXO

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-005

Purge Volume: 25.0

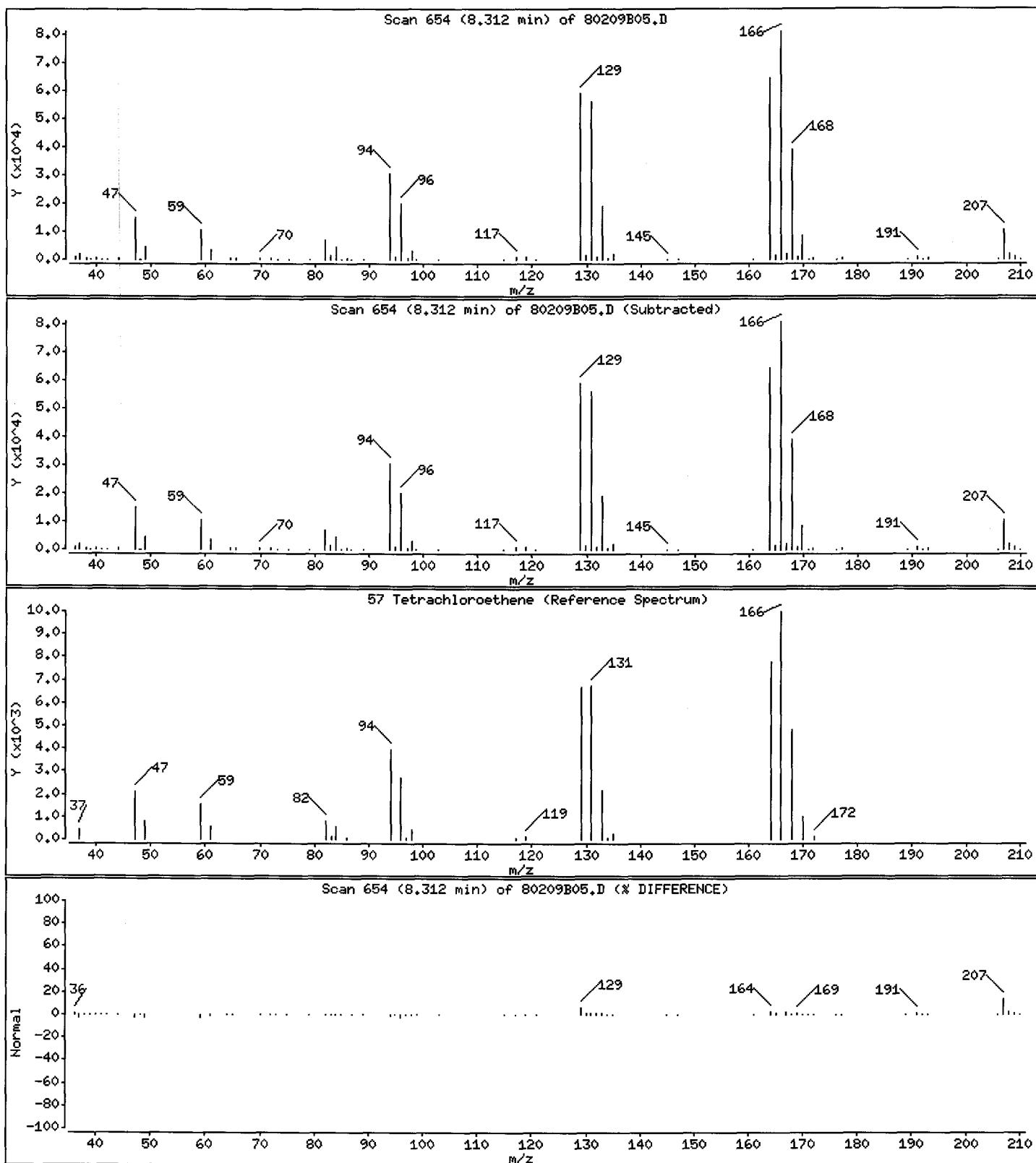
Operator: JJC

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 4.9482 ug/L



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX3

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-006

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B06

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.13	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX3

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-006

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B06

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.17	JB
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.58	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.16	JB
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AX3

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-006

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B06

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B06.D
Lab Smp Id: NB02045-006 Client Smp ID: F5AX3
Inj Date : 09-FEB-2012 20:13
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-006
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl Chloride-d3	65		1.366	1.366 (0.246)		223850	5.73297	5.7329
4 Vinyl Chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chlороethane-d5	69		1.638	1.638 (0.295)		170892	5.59757	5.5975
7 Chlороethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.147 (0.387)		336382	4.73445	4.7344
13 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
14 Acetone	43					Compound Not Detected.		
15 Carbon Disulfide	76					Compound Not Detected.		
16 Methyl Acetate	43					Compound Not Detected.		
17 Methylene Chloride	84		2.561	2.561 (0.461)		4719	0.12723	0.1272(a)
20 Methyl tert-Butyl Ether	73					Compound Not Detected.		
21 trans-1,2-Dichloroethene	96					Compound Not Detected.		
23 1,1-Dichloroethane	63					Compound Not Detected.		
\$ 25 2-Butanone-d5	46		3.898	3.898 (0.702)		295871	40.5778	40.5777(Q)
26 cis-1,2-Dichloroethene	96					Compound Not Detected.		
28 2-Butanone	43					Compound Not Detected.		
29 Bromochloromethane	128					Compound Not Detected.		
\$ 30 Chloroform-d	84		4.324	4.324 (0.778)		355141	5.53670	5.5366(Q)
31 Chloroform	83					Compound Not Detected.		

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
33 1,1,1-Trichloroethane		97				Compound Not Detected.		
32 Cyclohexane		56				Compound Not Detected.		
34 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4		65	4.975	4.975 (0.896)		133247	5.37674	5.3767
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)		859440	5.79312	5.7931
37 Benzene		78				Compound Not Detected.		
39 1,2-Dichloroethane		62				Compound Not Detected.		
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)		886750	5.00000	
42 Trichloroethene		95	5.874	5.874 (0.623)		6205	0.16698	0.1669(a)
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		223644	5.07031	5.0703
43 Methylcyclohexane		83				Compound Not Detected.		
45 1,2-Dichloropropane		63				Compound Not Detected.		
49 Bromodichloromethane		83				Compound Not Detected.		
50 cis-1,3-Dichloropropene		75				Compound Not Detected.		
51 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		776533	5.75518	5.7551
53 Toluene		91	7.590	7.590 (0.804)		85647	0.58018	0.5801
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)		158523	4.86429	4.8642
55 trans-1,3-Dichloropropene		75				Compound Not Detected.		
56 1,1,2-Trichloroethane		97				Compound Not Detected.		
57 Tetrachloroethene		164	8.311	8.312 (0.881)		4988	0.16044	0.1604(a)
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)		319332	44.8324	44.8323
60 2-Hexanone		43				Compound Not Detected.		
61 Dibromochloromethane		129				Compound Not Detected.		
62 1,2-Dibromoethane		107				Compound Not Detected.		
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)		809944	5.00000	
64 Chlorobenzene		112				Compound Not Detected.		
65 Ethylbenzene		91				Compound Not Detected.		
67 m+p-Xylenes		106				Compound Not Detected.		
68 o-Xylene		106				Compound Not Detected.		
69 Styrene		104				Compound Not Detected.		
70 Bromoform		173				Compound Not Detected.		
71 Isopropylbenzene		105				Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		120687	5.27227	5.2722
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
83 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)		418234	5.00000	
86 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		265177	5.62112	5.6211
89 1,2-Dichlorobenzene		146				Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
 Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B06.D
Lab Smp Id: NB02045-006 Client Smp ID: F5AX3
Inj Date : 09-FEB-2012 20:13
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, NB02045-006
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

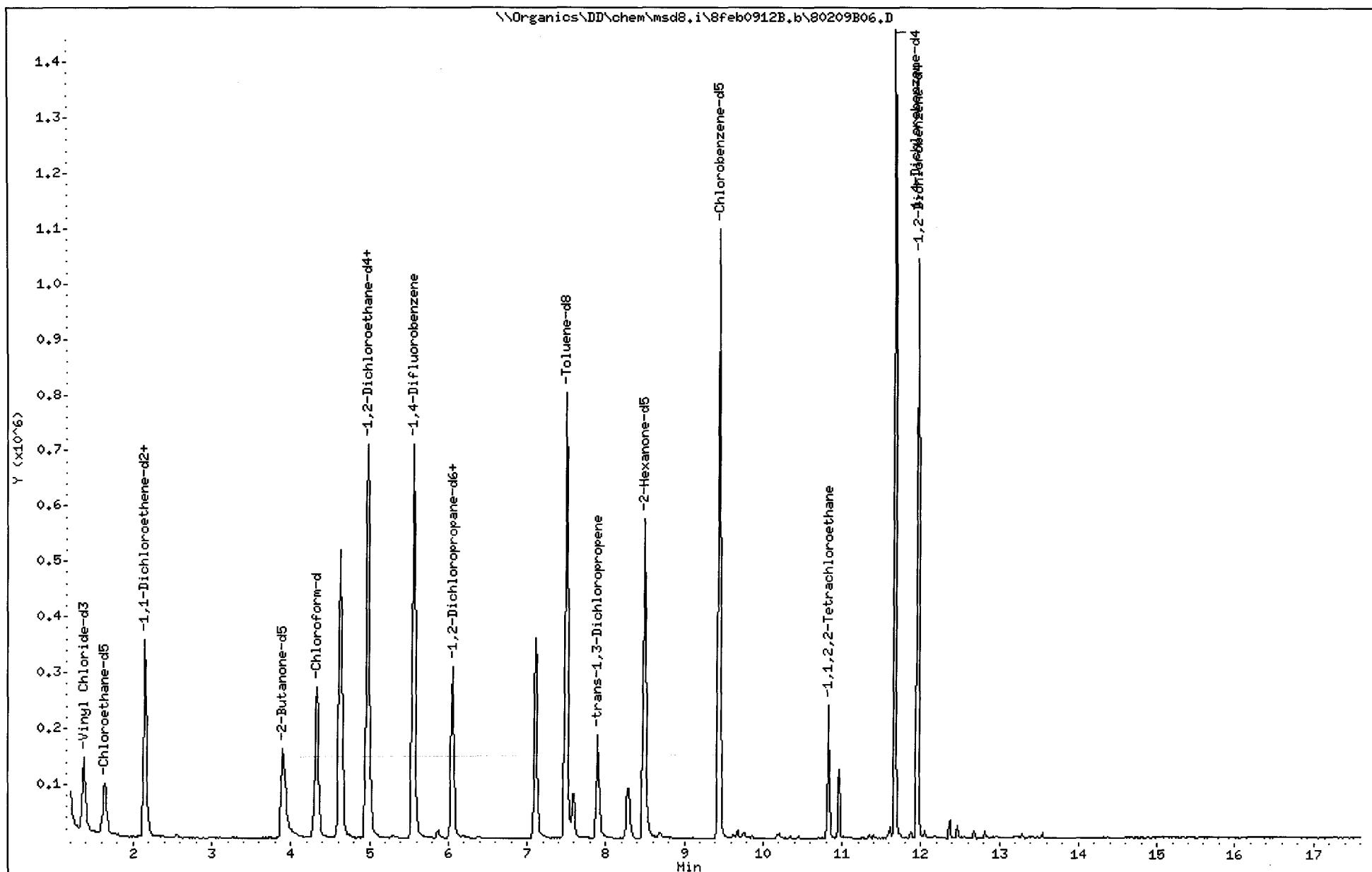
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\\DD\\chem\\msd8.i\\8feb0912B.b\\80209B06.D
Date : 09-FEB-2012 20:13
Client ID: F5AX3
Sample Info: 8feb0912B.b, NB02045-006
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

Page 3

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Date : 09-FEB-2012 20:13

Client ID: F5AX3

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-006

Purge Volume: 25.0

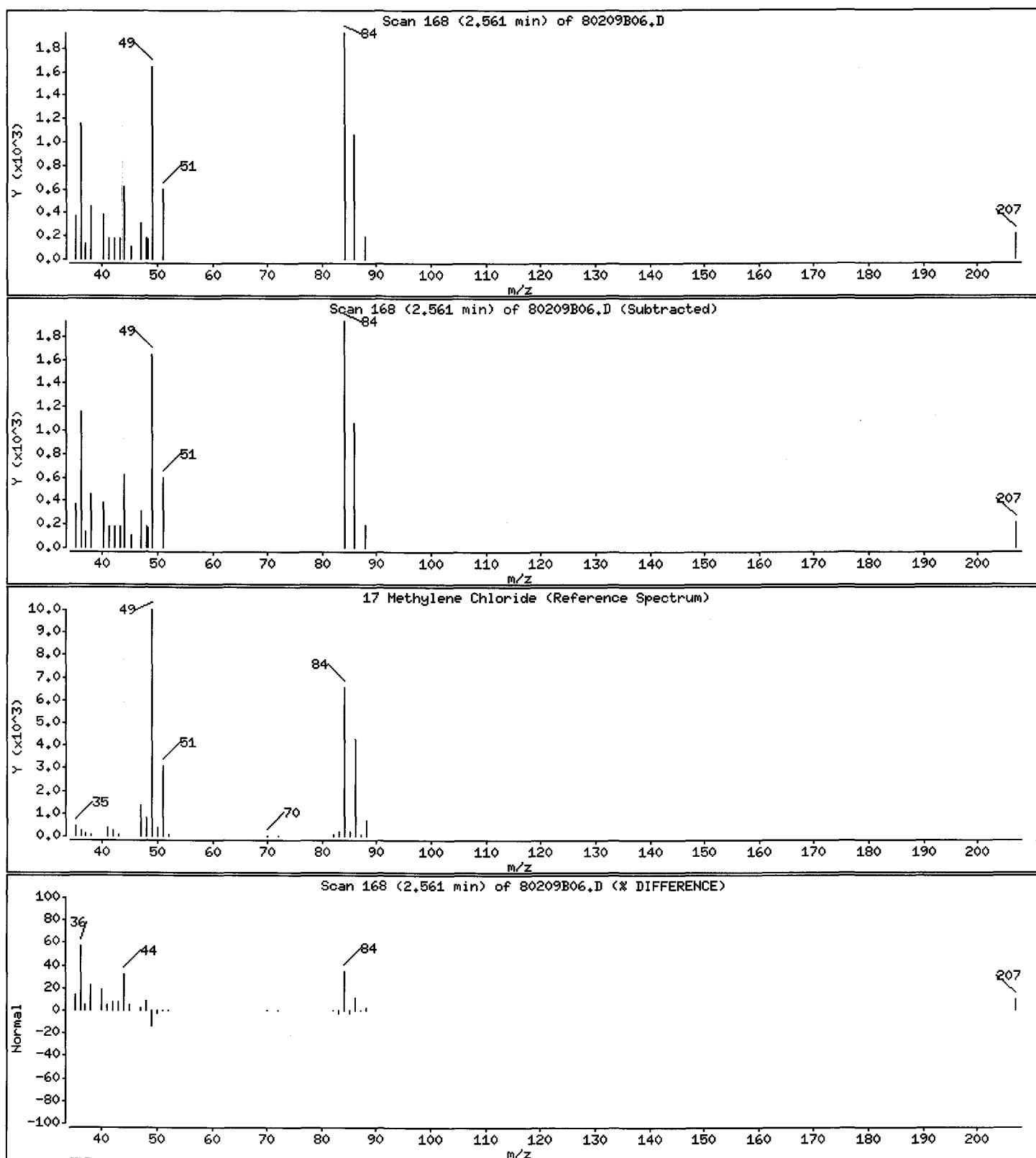
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.1272 ug/L



Date : 09-FEB-2012 20:13

Client ID: F5AX3

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-006

Purge Volume: 25.0

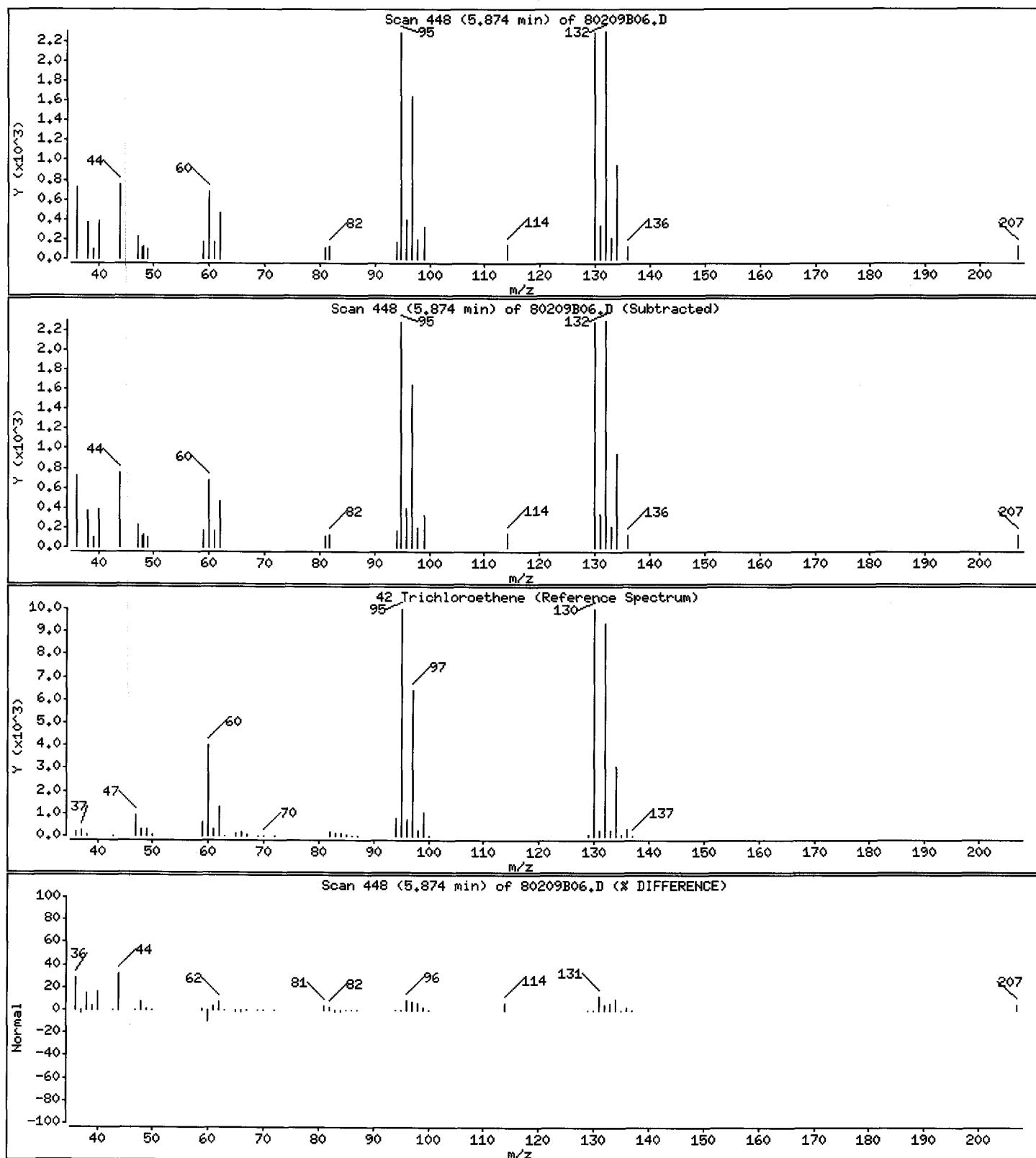
Operator: JJC

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.1669 ug/L



Date : 09-FEB-2012 20:13

Client ID: F5AX3

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-006

Purge Volume: 25.0

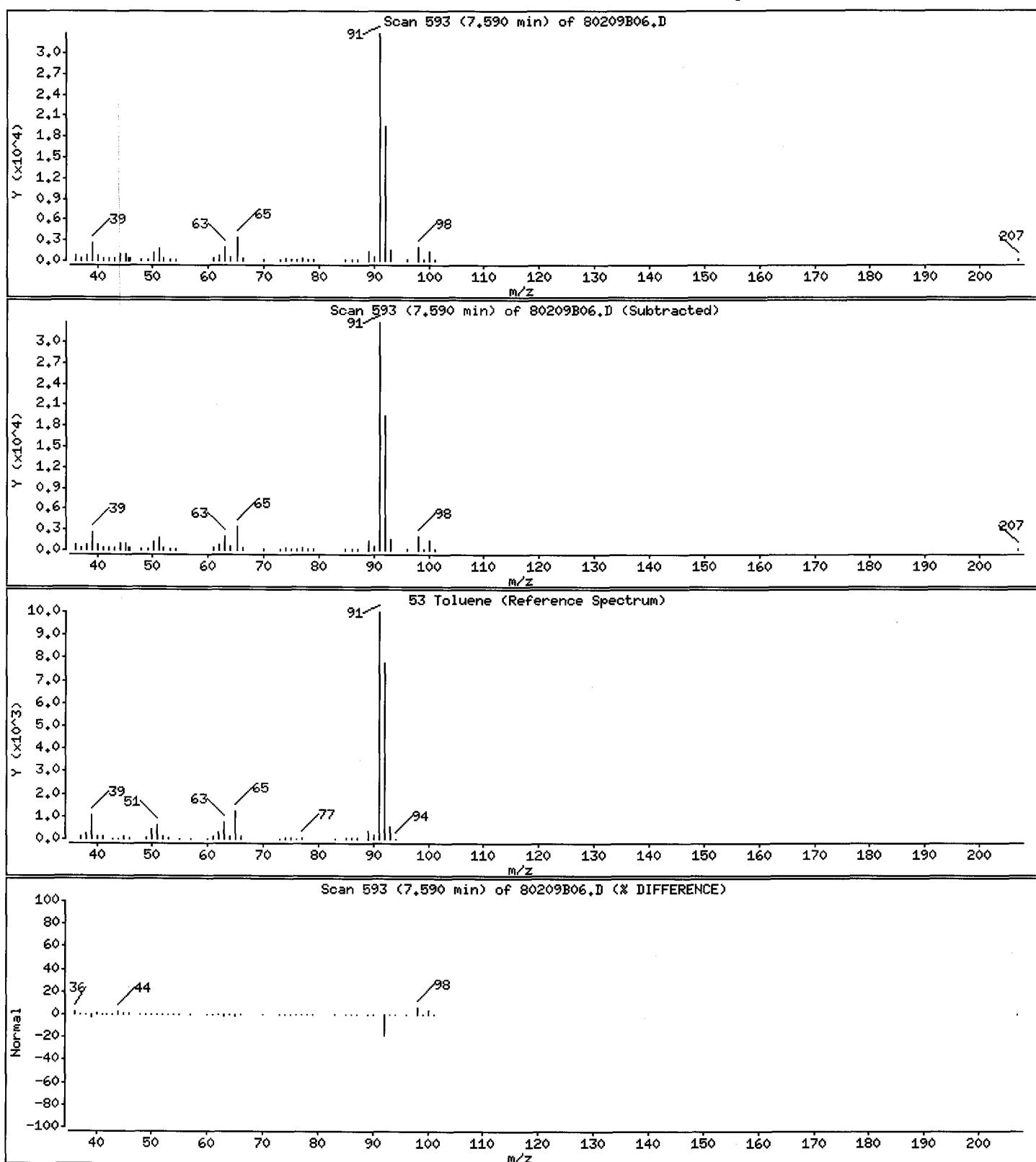
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.5801 ug/L



Date : 09-FEB-2012 20:13

Client ID: F5AX3

Instrument: msd8.i

Sample Info: 8feb0912B.b, NB02045-006

Purge Volume: 25.0

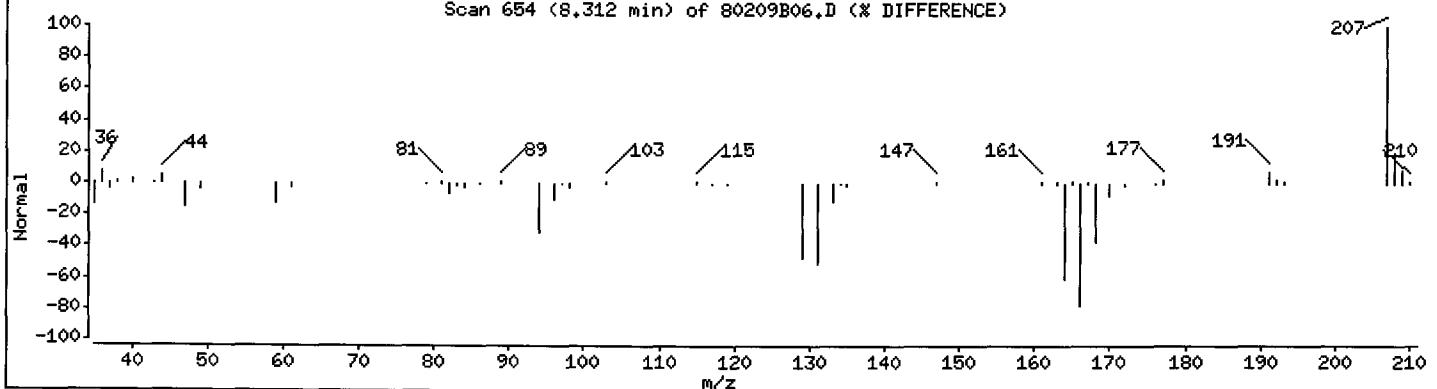
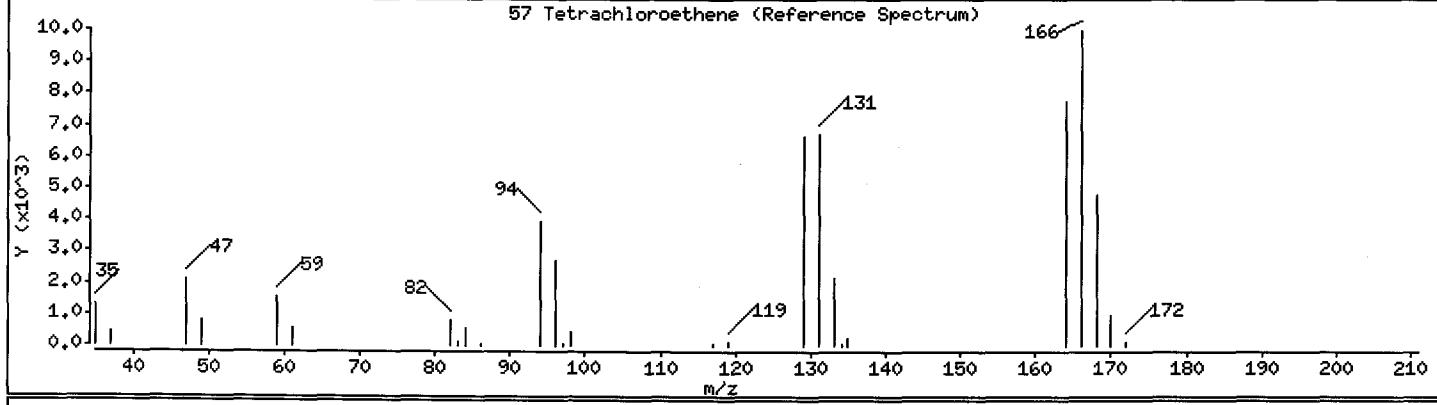
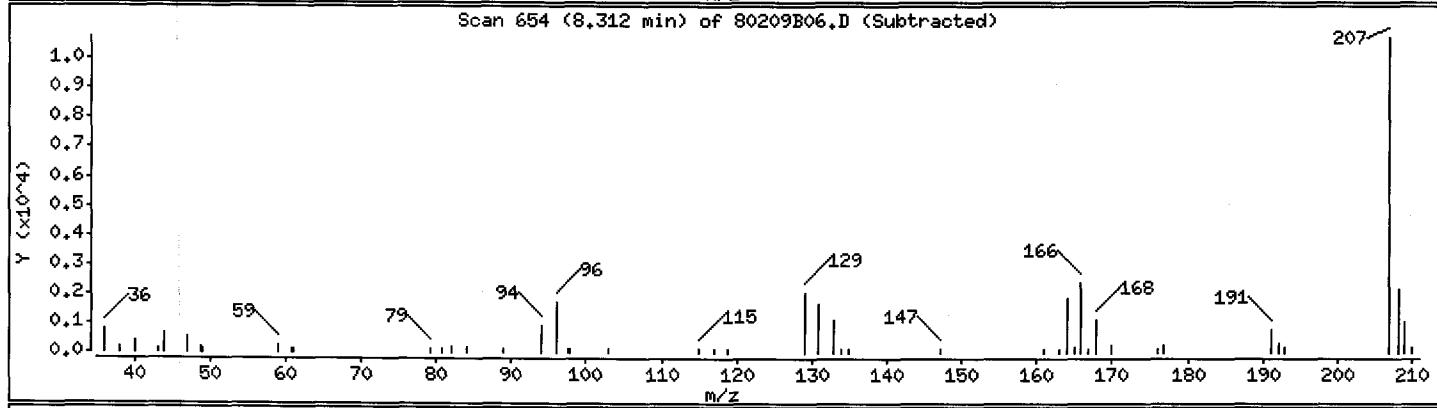
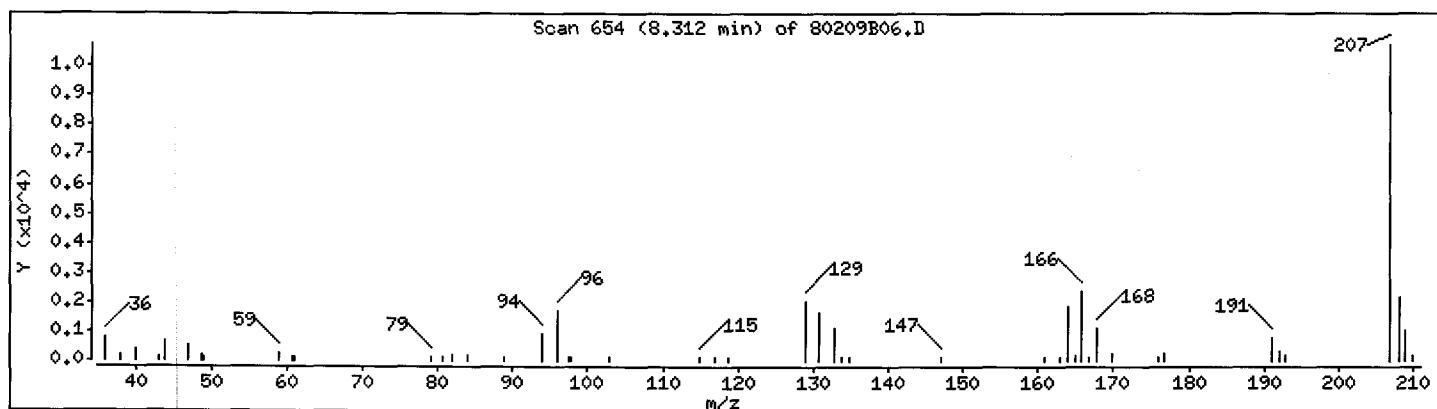
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 0.1604 ug/L



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX4

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-007

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209a03

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.6	J
75-15-0	Carbon Disulfide	0.079	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.10	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX4

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-007

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209a03

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.44	JB
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.51	B
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.13	J
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.32	J
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AX4

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-007

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209a03

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01 556-67-2	Cyclotetrasiloxane, octameth	10.960	0.89	NJ
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912.b\80209a03.D
Lab Smp Id: NB02045-007 Client Smp ID: F5AX4
Inj Date : 09-FEB-2012 08:05
Operator : BM Inst ID: msd8.i
Smp Info : 8feb0912.b, NB02045-007
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912.b\TRACE-8.m
Meth Date : 18-Feb-2012 16:00 joj Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl Chloride-d3	65		1.365	1.365 (0.246)		194080	4.73072 4.7307
4 Vinyl Chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69		1.638	1.638 (0.295)		152328	4.74878 4.7487
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 12 1,1-Dichloroethene-d2	63		2.146	2.146 (0.386)		273903	3.66909 3.6690
13 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
14 Acetone	43		2.206	2.206 (0.397)		6345	1.64912 1.6491 (a)
15 Carbon Disulfide	76		2.336	2.336 (0.421)		8664	0.07879 0.0787 (a)
16 Methyl Acetate	43						
17 Methylene Chloride	84		2.549	2.549 (0.459)		3973	0.10195 0.1019 (a)
20 Methyl tert-Butyl Ether	73						
21 trans-1,2-Dichloroethene	96						
23 1,1-Dichloroethane	63						
\$ 25 2-Butanone-d5	46		3.886	3.898 (0.700)		315408	41.1702 41.1701 (Q)
26 cis-1,2-Dichloroethene	96						
28 2-Butanone	43						
29 Bromochloromethane	128						
\$ 30 Chloroform-d	84		4.312	4.324 (0.776)		300560	4.45970 4.4596
31 Chloroform	83						

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
33 1,1,1-Trichloroethane		97				Compound Not Detected.		
32 Cyclohexane		56				Compound Not Detected.		
34 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.974 (0.893)		113270	4.35011	4.3501
\$ 36 Benzene-d6		84	4.974	4.974 (0.527)		712656	4.57284	4.5728
37 Benzene		78				Compound Not Detected.		
39 1,2-Dichloroethane		62				Compound Not Detected.		
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)		931702	5.00000	
42 Trichloroethene		95	5.862	5.874 (0.621)		16984	0.43508	0.4350 (a)
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		187491	4.04638	4.0463
43 Methylcyclohexane		83				Compound Not Detected.		
45 1,2-Dichloropropane		63				Compound Not Detected.		
49 Bromodichloromethane		83				Compound Not Detected.		
50 cis-1,3-Dichloropropene		75				Compound Not Detected.		
51 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		640915	4.52177	4.5217
53 Toluene		91				Compound Not Detected.		
\$ 54 trans-1,3-Dichloropropene-d4		79	7.885	7.897 (0.836)		146515	4.27975	4.2797
55 trans-1,3-Dichloropropene		75				Compound Not Detected.		
56 1,1,2-Trichloroethane		97				Compound Not Detected.		
57 Tetrachloroethene		164	8.311	8.311 (0.881)		16778	0.51373	0.5137
\$ 58 2-Hexanone-d5		63	8.477	8.489 (0.898)		324144	43.3208	43.3208
60 2-Hexanone		43				Compound Not Detected.		
61 Dibromochloromethane		129	8.690	8.690 (0.921)		2909	0.12854	0.1285 (a)
62 1,2-Dibromoethane		107				Compound Not Detected.		
* 63 Chlorobenzene-d5		117	9.436	9.435 (1.000)		850836	5.00000	
64 Chlorobenzene		112				Compound Not Detected.		
65 Ethylbenzene		91				Compound Not Detected.		
67 m+p-Xylenes		106				Compound Not Detected.		
68 o-Xylene		106				Compound Not Detected.		
69 Styrene		104				Compound Not Detected.		
70 Bromoform		173	10.370	10.370 (0.889)		3703	0.31587	0.3158 (a)
71 Isopropylbenzene		105				Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		111046	4.61795	4.6179
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
83 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4		152	11.660	11.672 (1.000)		452226	5.00000	
86 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.025)		228959	4.48858	4.4885
89 1,2-Dichlorobenzene		146				Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912.b\80209a03.D
Lab Smp Id: NB02045-007 Client Smp ID: F5AX4
Inj Date : 09-FEB-2012 08:05
Operator : BM Inst ID: msd8.i
Smp Info : 8feb0912.b, NB02045-007
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912.b\TRACE-8.m
Meth Date : 20-Feb-2012 11:12 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14
Processing Host: PM-KHINSHAW

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 85 1,4-Dichlorobenzene-d4	11.661	2523714	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
10.962	451237	0.89399373	0.8939	86	NIST02.L	115616	85

Data File: \\Organics\DD\chem\msd8.i\8feb0912.b\80209a03.D

Date : 09-FEB-2012 08:05

Client ID: F5AX4

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

Column phase: DB-624

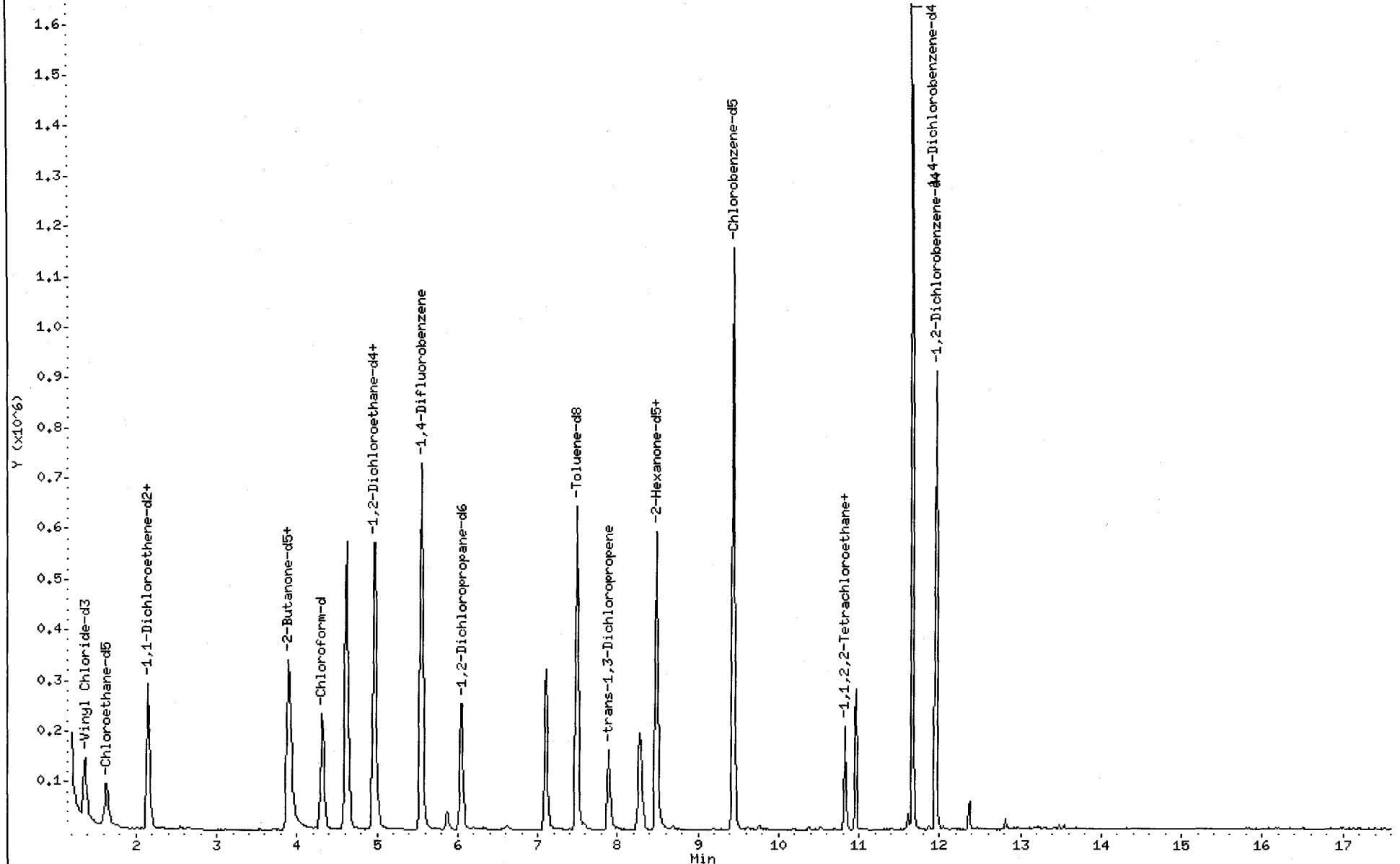
Page 3

Instrument: msd8,i

Operator: BM

Column diameter: 0.18

\\Organics\DD\chem\msd8.i\8feb0912.b\80209a03.D



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8,i

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

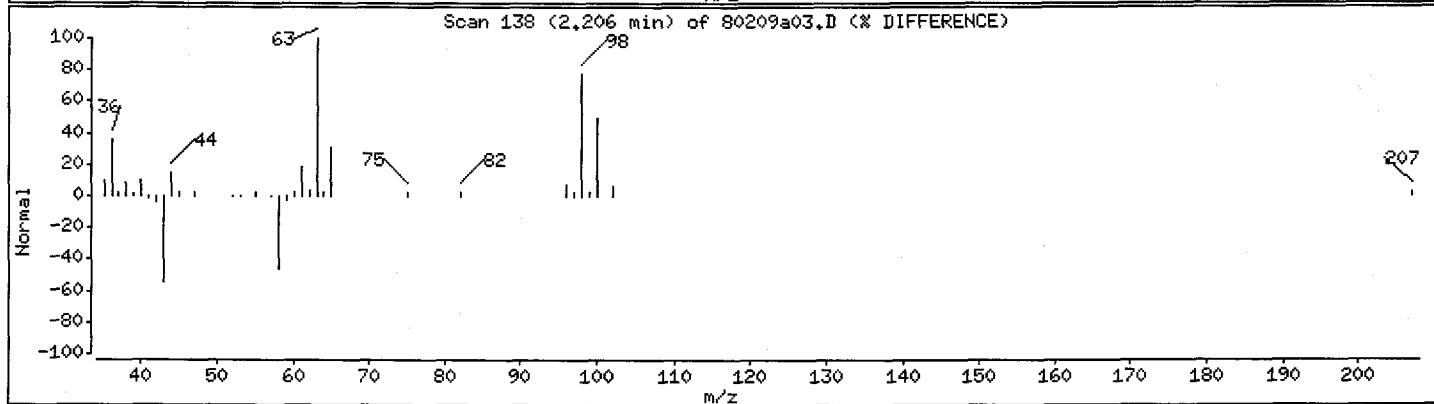
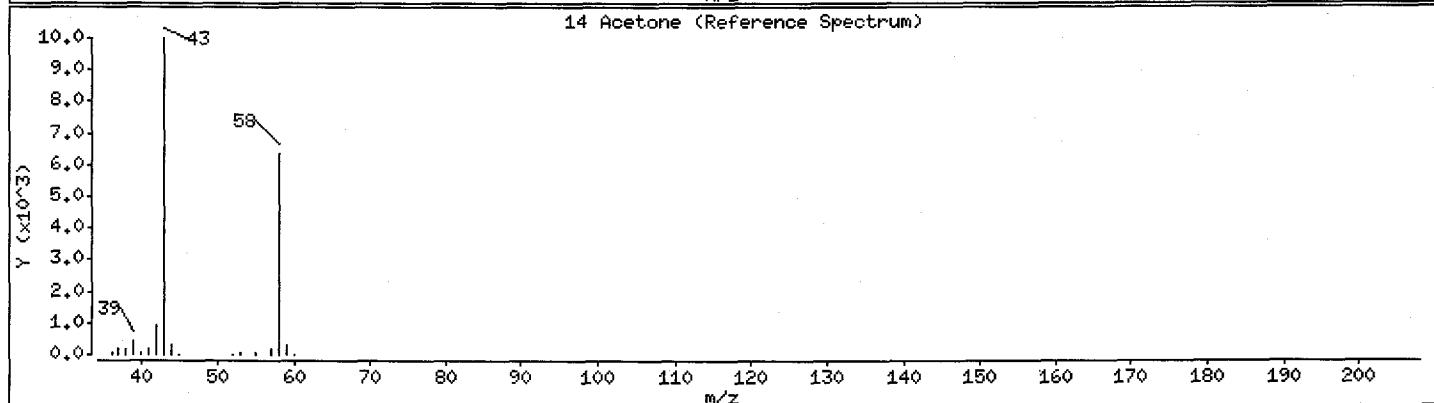
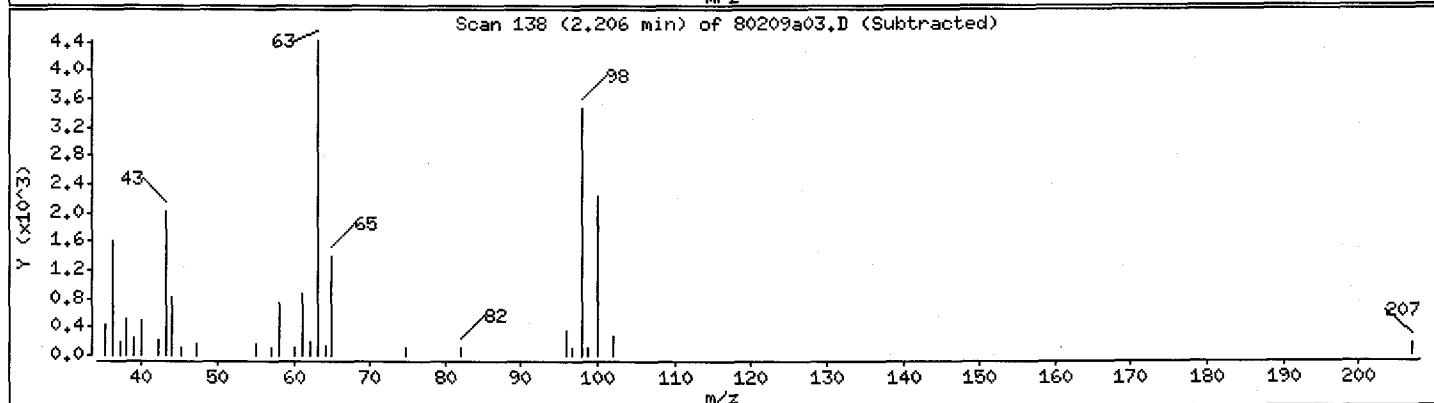
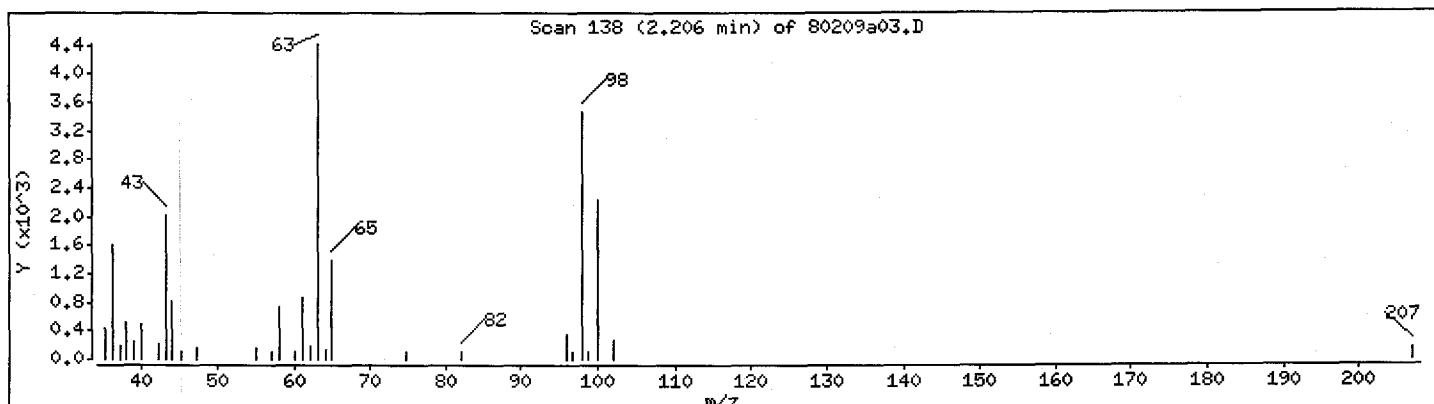
Operator: BM

Column phaset: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 1.6491 ug/L



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

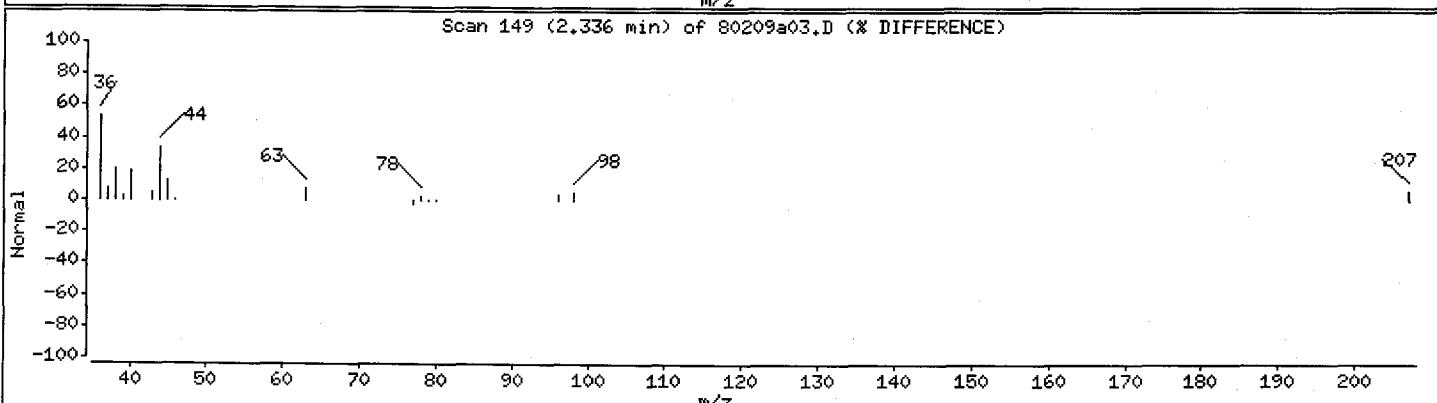
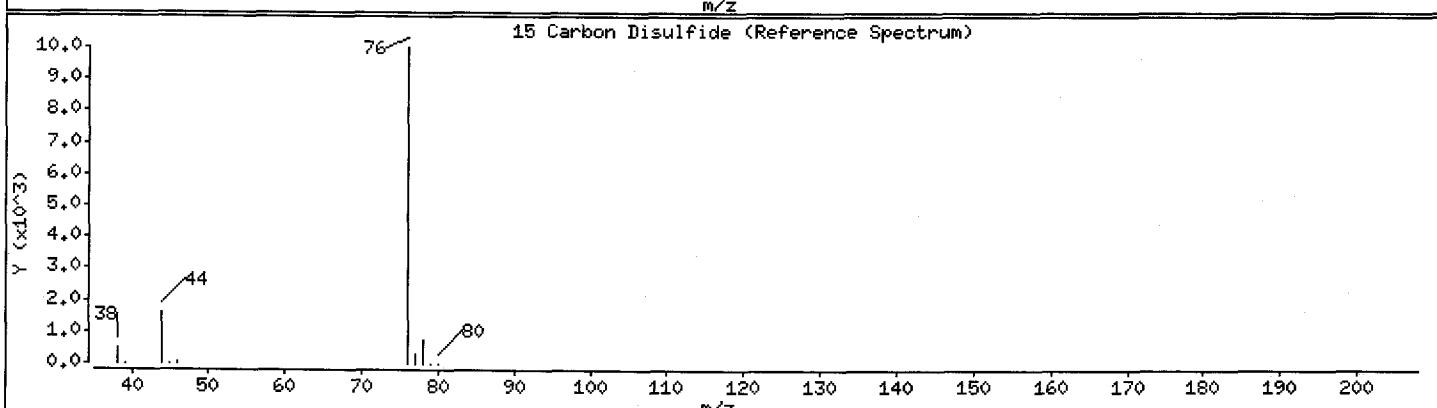
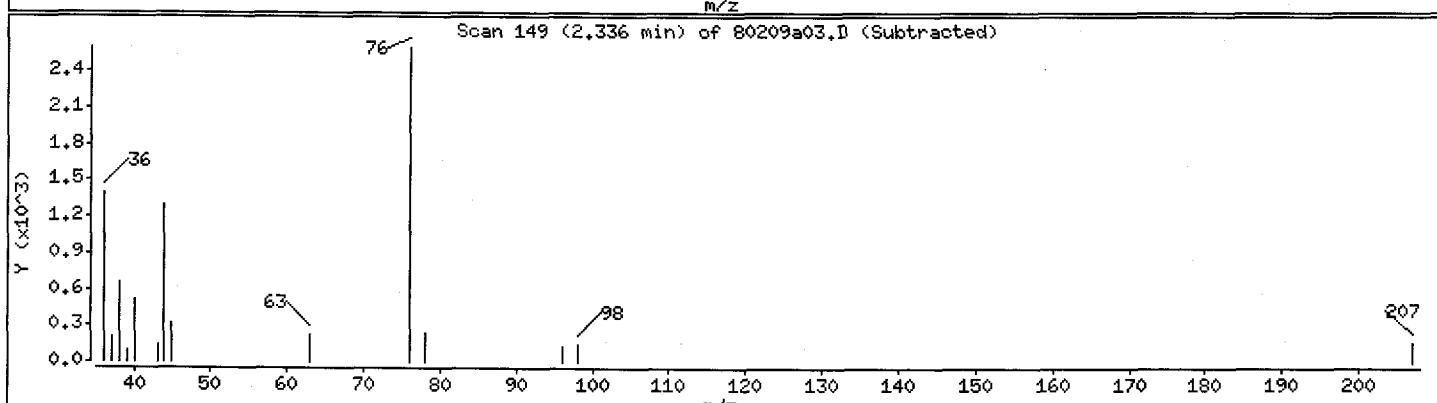
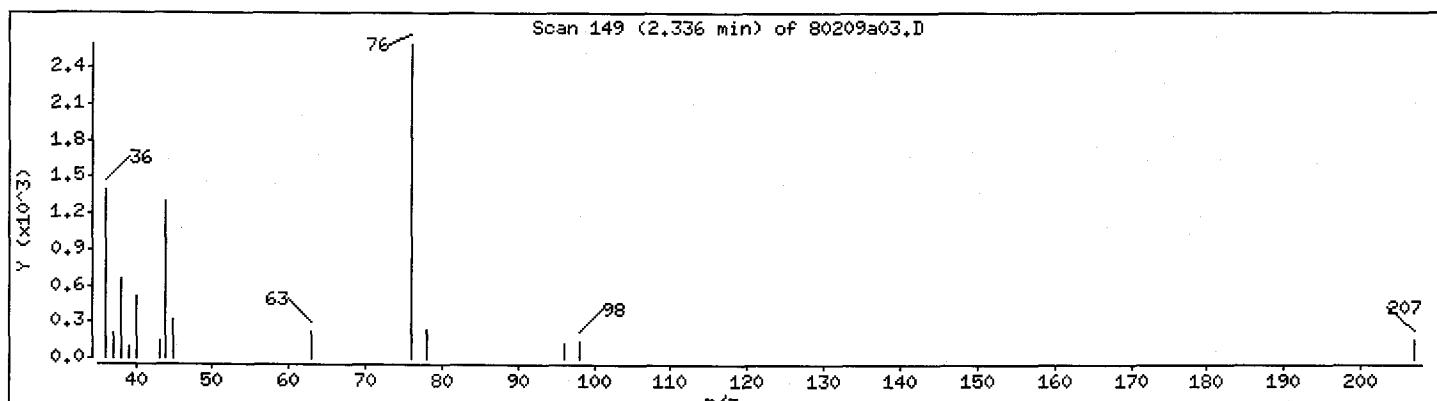
Operator: BM

Column phase: DB-624

Column diameter: 0.18

15 Carbon Disulfide

Concentration: 0.0787 ug/L



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

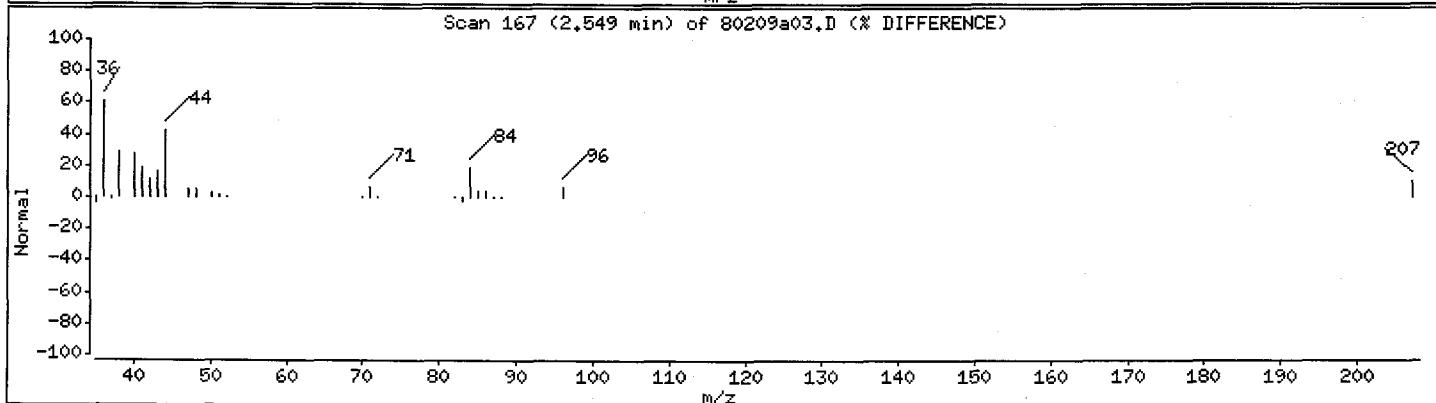
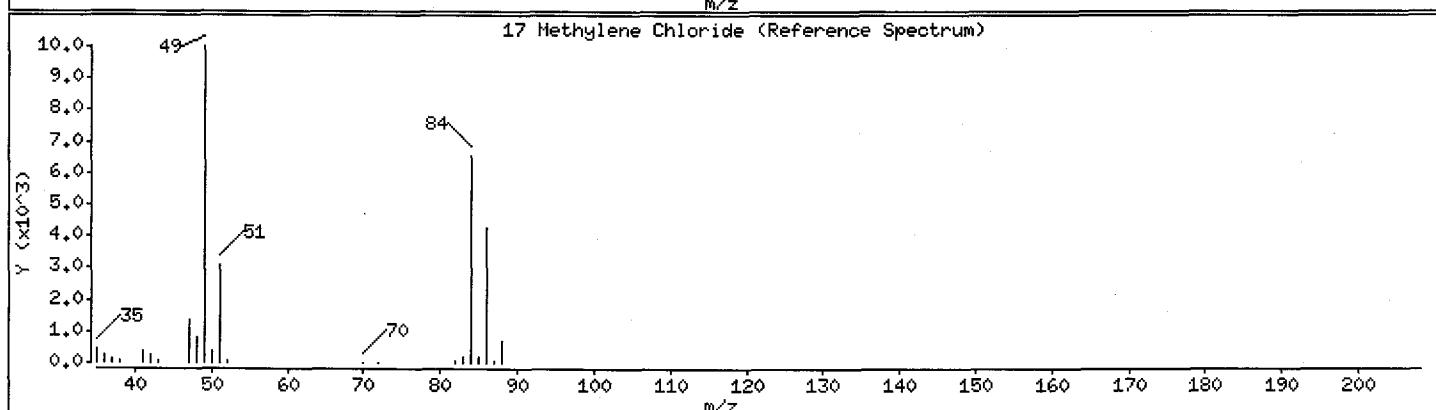
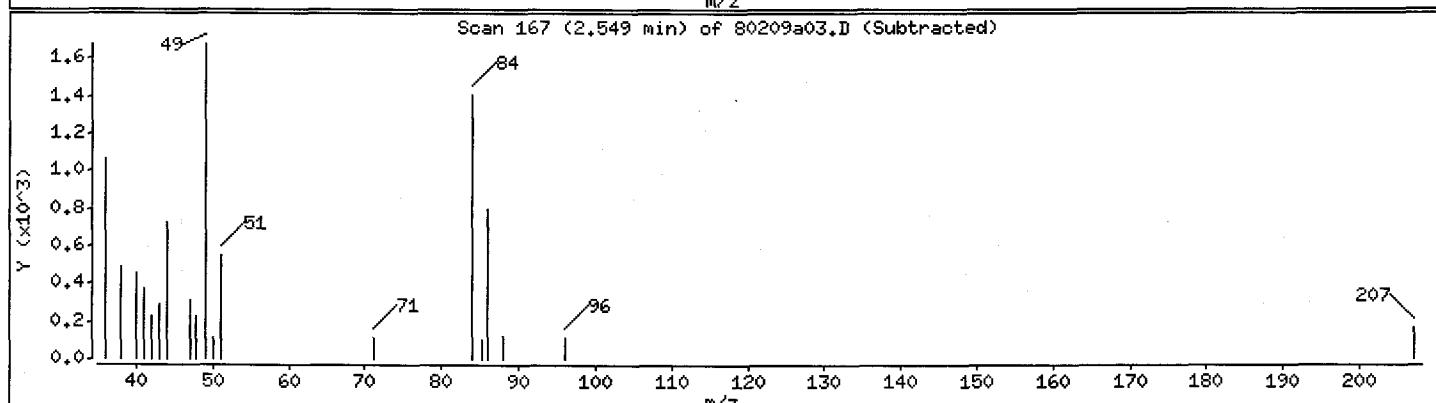
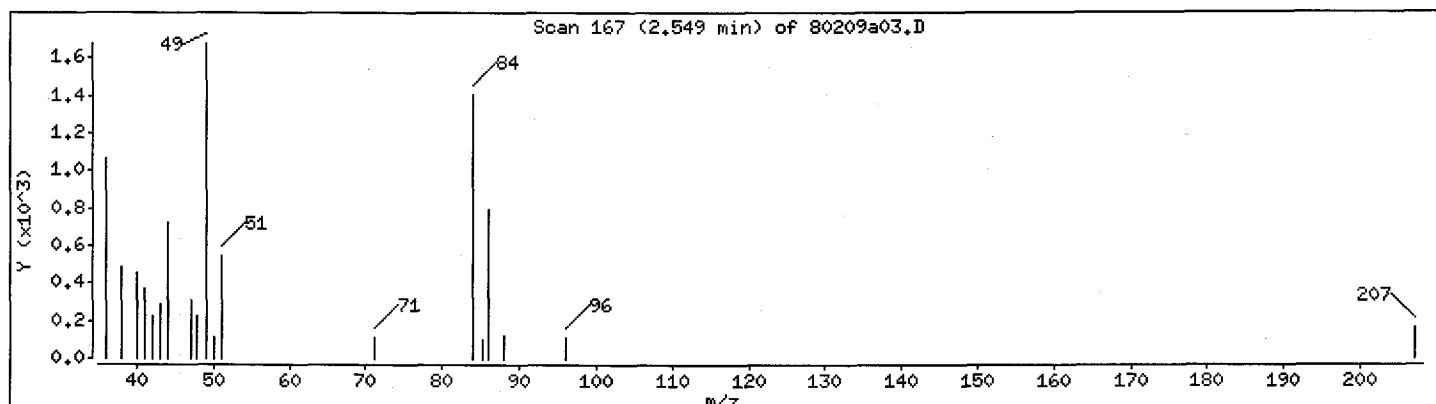
Operator: BM

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.1019 ug/L



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

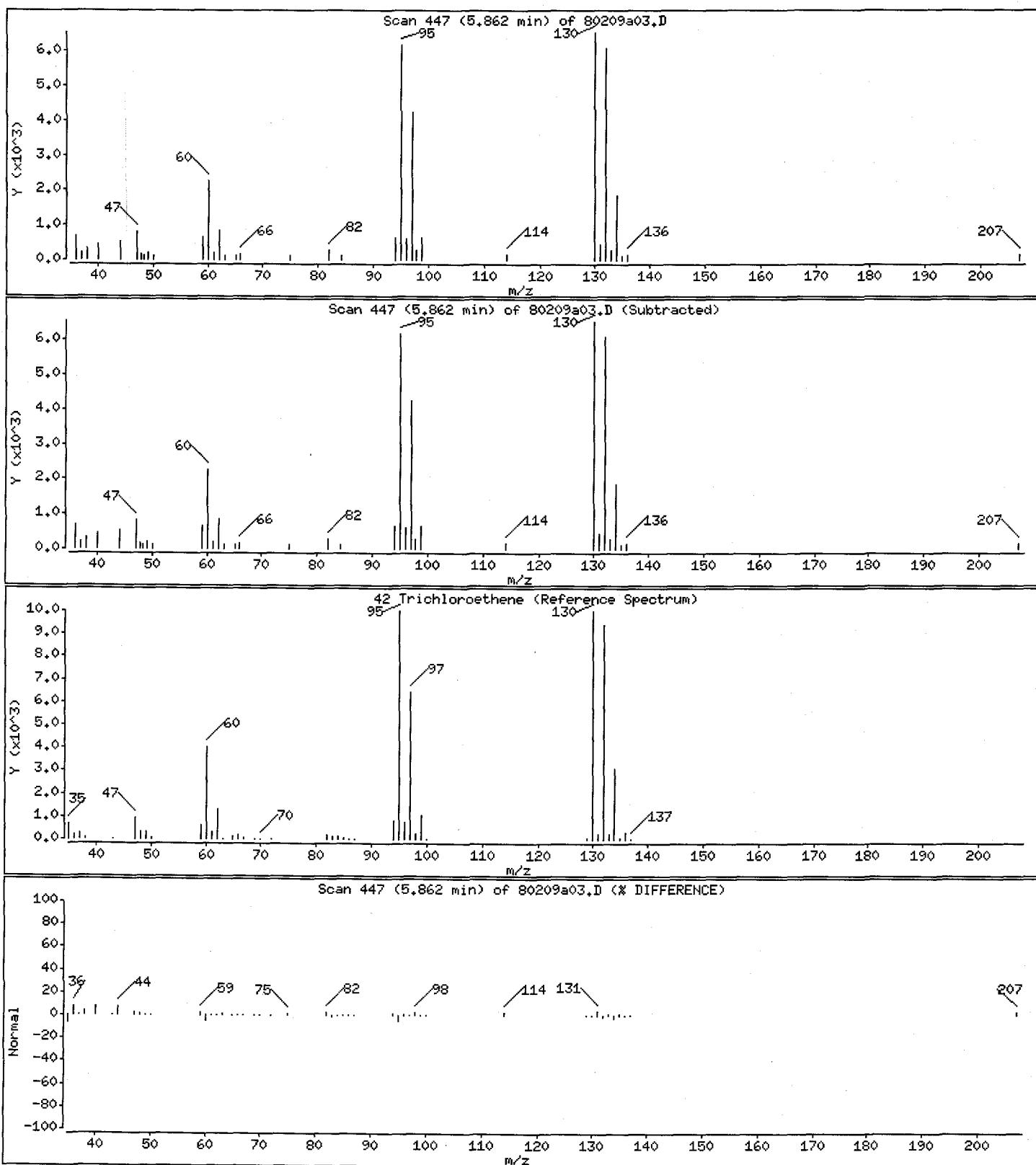
Operator: BM

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.4350 ug/L



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

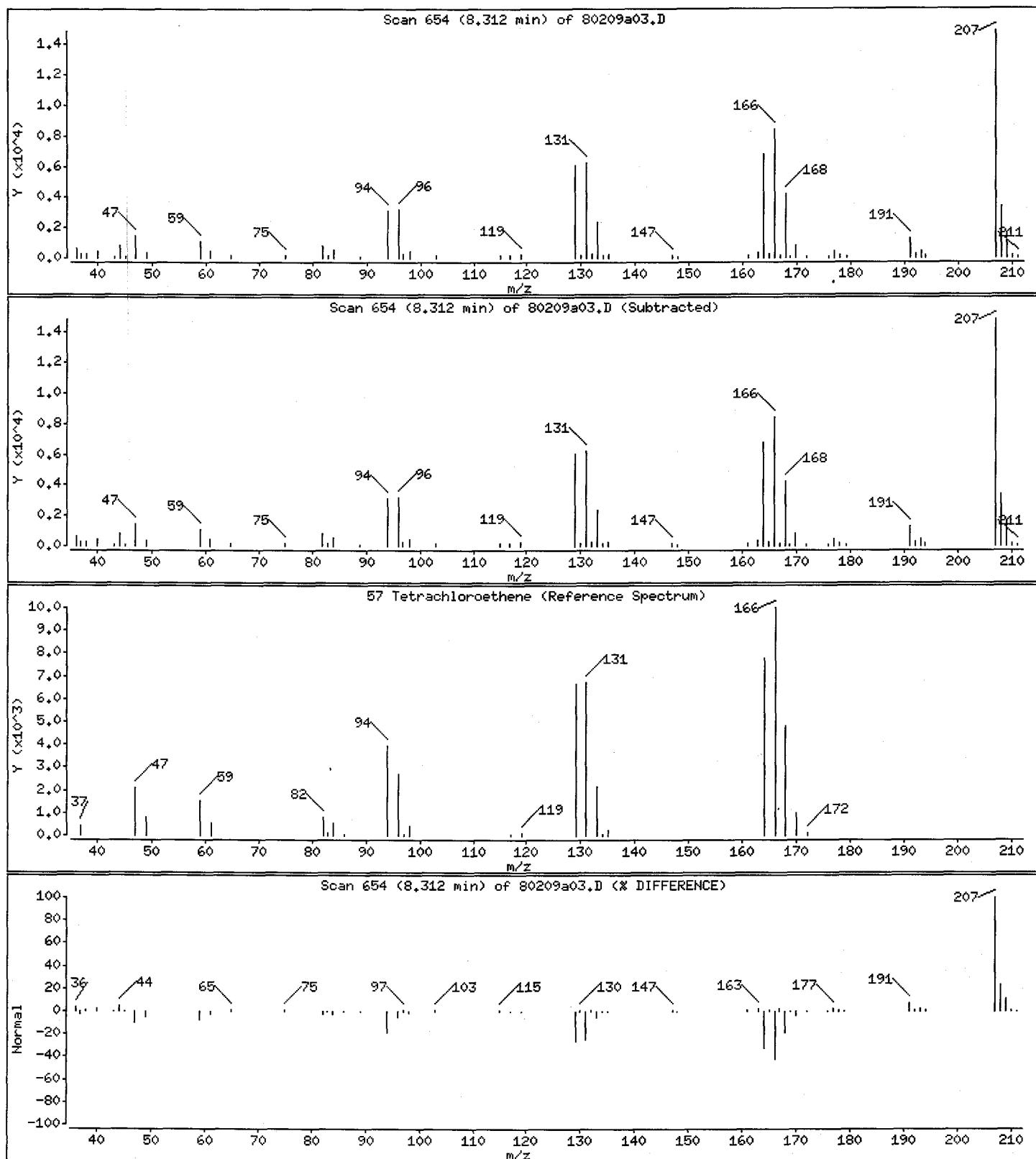
Operator: BM

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 0.5137 ug/L



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

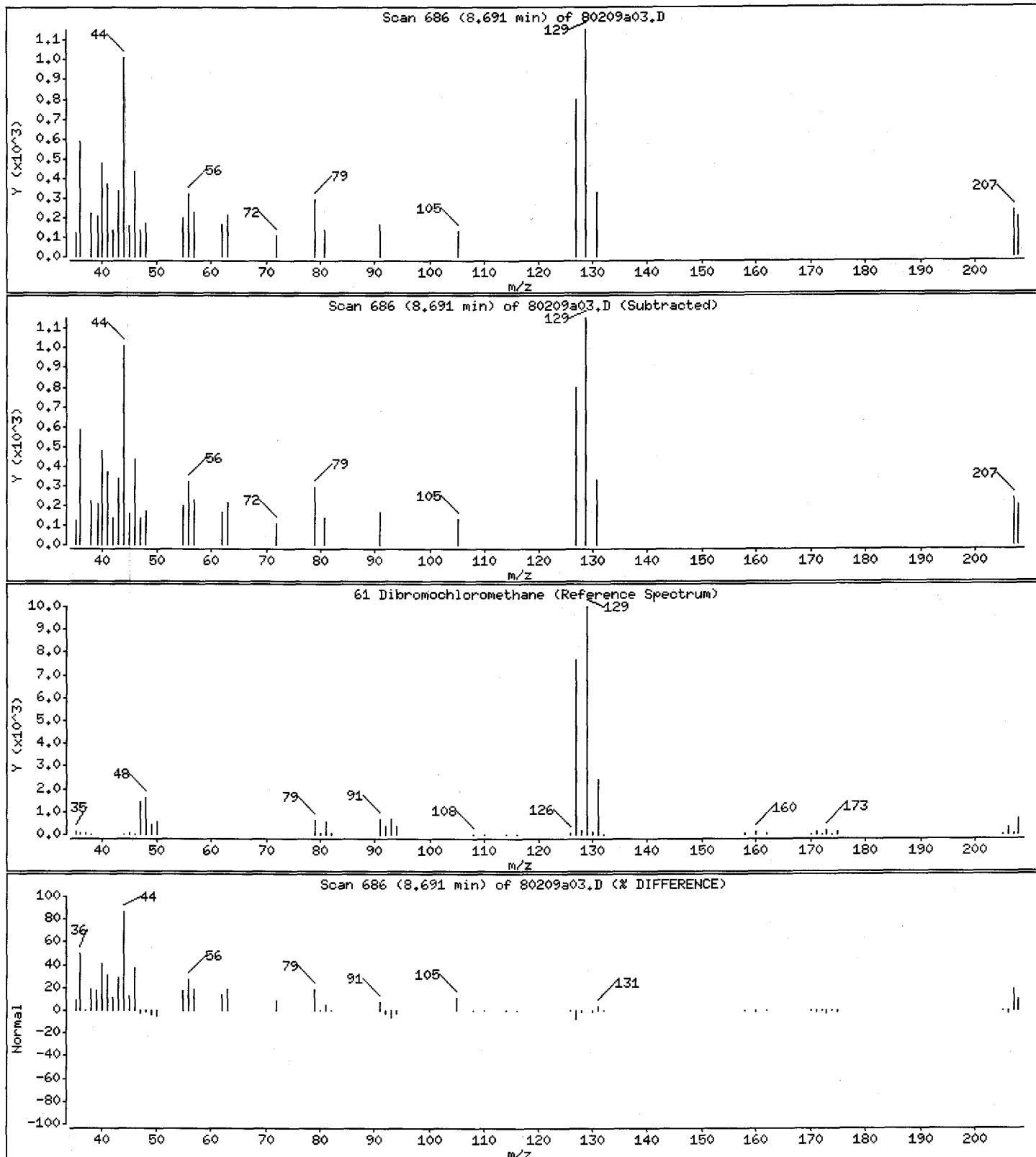
Operator: BM

Column phase: DB-624

Column diameter: 0.18

61 Dibromochloromethane

Concentration: 0.1285 ug/L



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-007

Purge Volume: 25.0

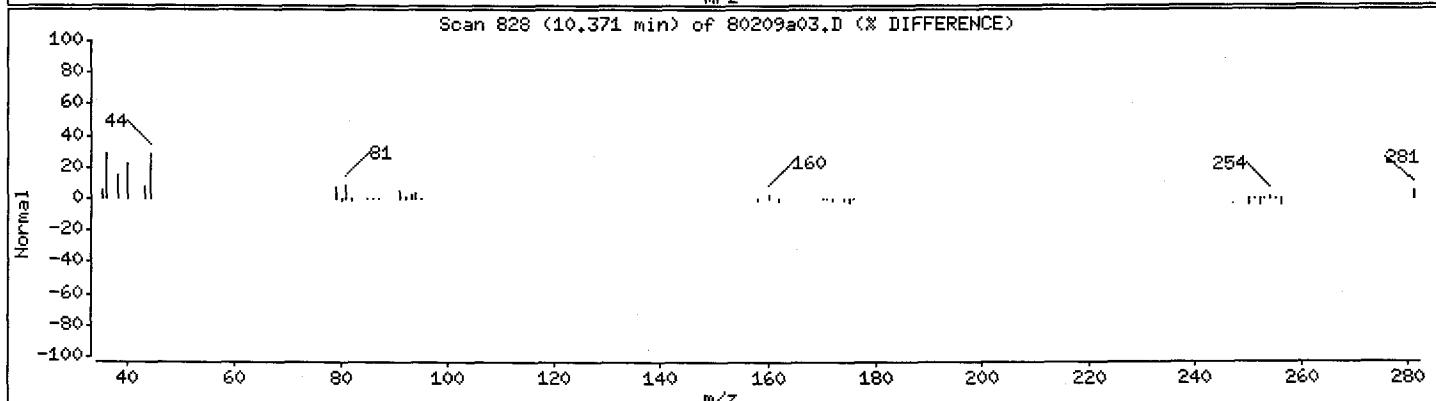
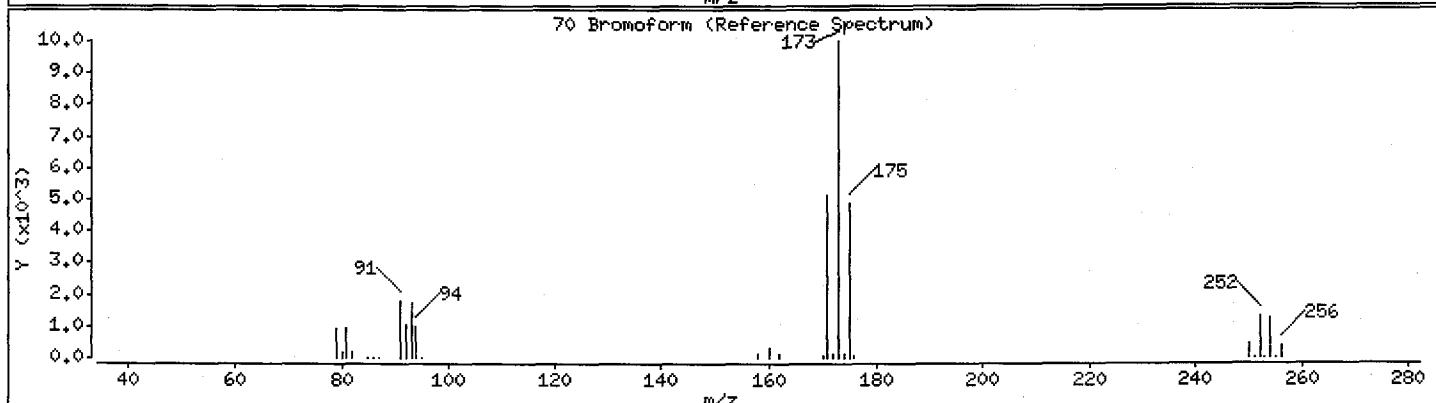
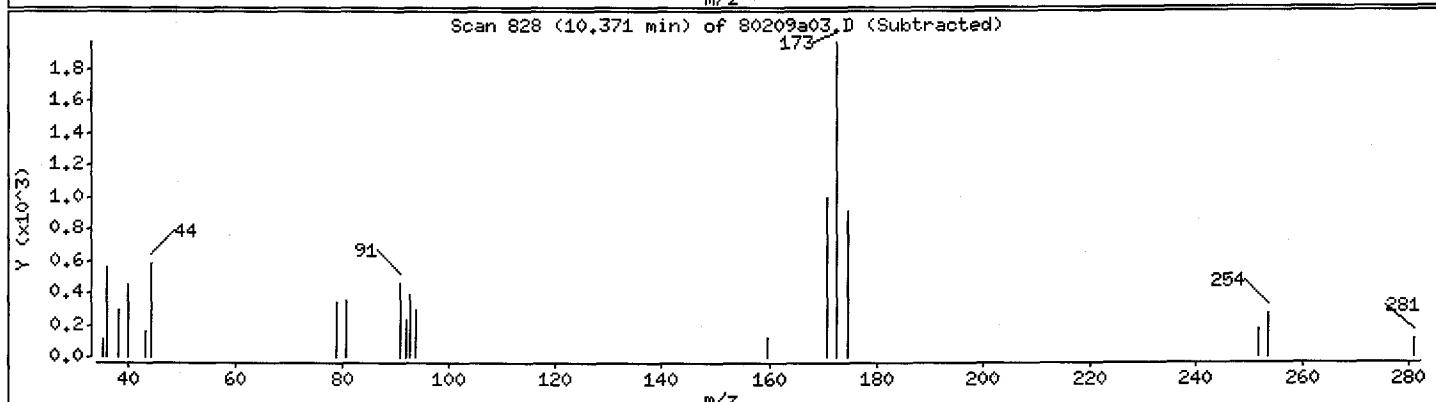
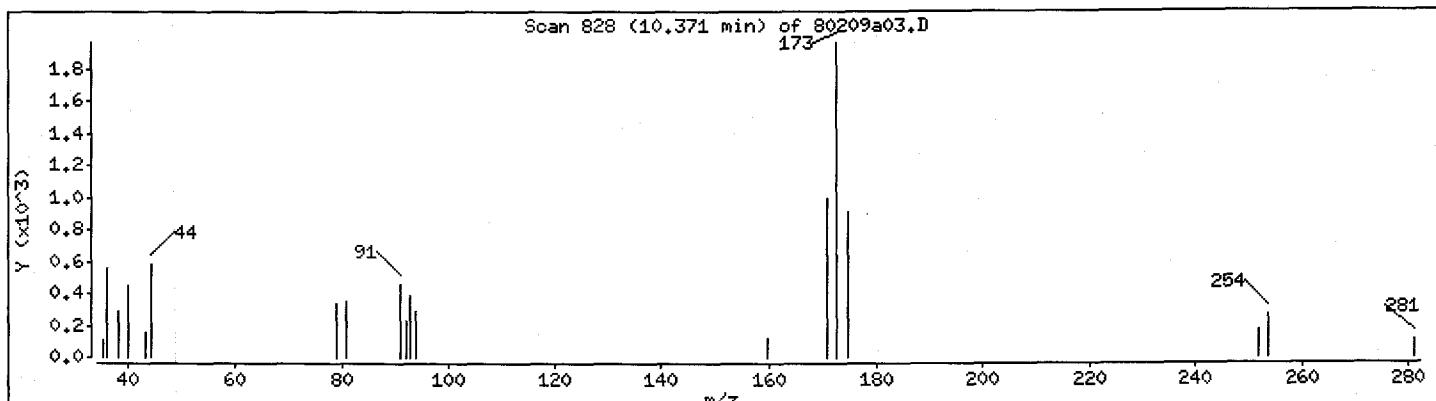
Operator: BM

Column phase: DB-624

Column diameter: 0.18

70 Bromoform

Concentration: 0.3158 ug/L



Date : 09-FEB-2012 08:05

Client ID: F5AX4

Instrument: msd8,i

Sample Info: 8feb0912.b, NB02045-007

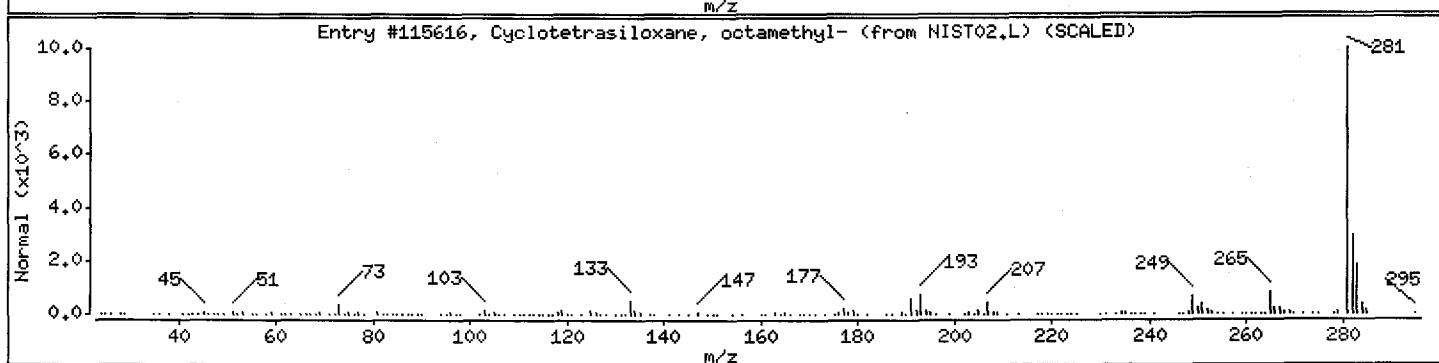
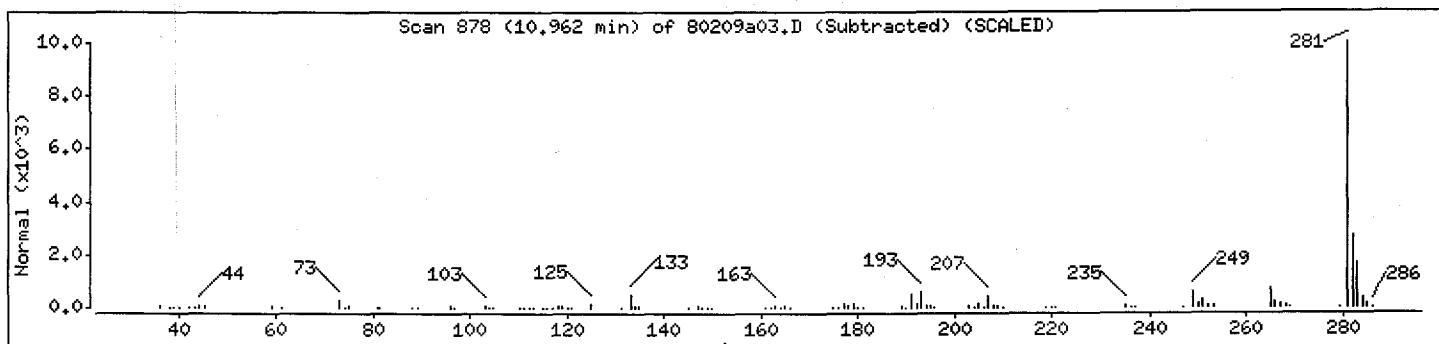
Purge Volume: 25.0

Operator: BM

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST02.L	115616	86	C8H24O4Si4	296



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX5

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182Mod. Ref No.: _____ SDG No.: F5AW6Matrix: (SOIL/SED/WATER) WaterLab Sample ID: NB02045-008Sample wt/vol: 25.0 (g/mL) mLLab File ID: 80209a04Level: (TRACE/LOW/MED) TRACEDate Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX5

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-008

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209a04

Level: (TRACE/LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.16	JB
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.20	JB
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AX5

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-008

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209a04

Level: (TRACE or LOW/MED) TRACE

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01 556-67-2	Cyclotetrasiloxane, octameth	10.960	1.1	NJ
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912.b\80209a04.D
Lab Smp Id: NB02045-008 Client Smp ID: F5AX5
Inj Date : 09-FEB-2012 08:27
Operator : BM Inst ID: msd8.i
Smp Info : 8feb0912.b, NB02045-008
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912.b\TRACE-8.m
Meth Date : 18-Feb-2012 16:00 joj Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl Chloride-d3	65		1.366	1.365 (0.246)		190976	4.65861	4.6586
4 Vinyl Chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.638	1.638 (0.295)		141223	4.40594	4.4059
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.146 (0.387)		270282	3.62334	3.6233
13 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
14 Acetone	43							
15 Carbon Disulfide	76							
16 Methyl Acetate	43							
17 Methylene Chloride	84							
20 Methyl tert-Butyl Ether	73							
21 trans-1,2-Dichloroethene	96							
23 1,1-Dichloroethane	63							
\$ 25 2-Butanone-d5	46		3.886	3.898 (0.700)		290517	37.9501	37.9500 (Q)
26 cis-1,2-Dichloroethene	96							
28 2-Butanone	43							
29 Bromochloromethane	128							
\$ 30 Chloroform-d	84		4.324	4.324 (0.778)		293186	4.35360	4.3535
31 Chloroform	83							

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
33 1,1,1-Trichloroethane	97					Compound Not Detected.		
32 Cyclohexane	56					Compound Not Detected.		
34 Carbon Tetrachloride	117					Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4	65	4.963	4.974 (0.893)		111808	4.29724	4.2972	
\$ 36 Benzene-d6	84	4.975	4.974 (0.527)		707016	4.59594	4.5959	
37 Benzene	78					Compound Not Detected.		
39 1,2-Dichloroethane	62					Compound Not Detected.		
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)		930992	5.00000		
42 Trichloroethene	95	5.874	5.874 (0.623)		6025	0.15636	0.1563 (a)	
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)		182786	3.99639	3.9963	
43 Methylcyclohexane	83					Compound Not Detected.		
45 1,2-Dichloropropane	63					Compound Not Detected.		
49 Bromodichloromethane	83					Compound Not Detected.		
50 cis-1,3-Dichloropropene	75					Compound Not Detected.		
51 4-Methyl-2-pentanone	43					Compound Not Detected.		
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)		630981	4.50987	4.5098	
53 Toluene	91					Compound Not Detected.		
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897 (0.837)		136610	4.04257	4.0425	
55 trans-1,3-Dichloropropene	75					Compound Not Detected.		
56 1,1,2-Trichloroethane	97					Compound Not Detected.		
57 Tetrachloroethene	164	8.312	8.311 (0.881)		6396	0.19840	0.1983 (a)	
\$ 58 2-Hexanone-d5	63	8.489	8.489 (0.900)		314018	42.5160	42.5159	
60 2-Hexanone	43					Compound Not Detected.		
61 Dibromochloromethane	129					Compound Not Detected.		
62 1,2-Dibromoethane	107					Compound Not Detected.		
* 63 Chlorobenzene-d5	117	9.436	9.435 (1.000)		839860	5.00000		
64 Chlorobenzene	112					Compound Not Detected.		
65 Ethylbenzene	91					Compound Not Detected.		
67 m+p-Xylenes	106					Compound Not Detected.		
68 o-Xylene	106					Compound Not Detected.		
69 Styrene	104					Compound Not Detected.		
70 Bromoform	173					Compound Not Detected.		
71 Isopropylbenzene	105					Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)		104338	4.39570	4.3956	
74 1,1,2,2-Tetrachloroethane	83					Compound Not Detected.		
83 1,3-Dichlorobenzene	146					Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672 (1.000)		452928	5.00000		
86 1,4-Dichlorobenzene	146					Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.024)		232014	4.54142	4.5414	
89 1,2-Dichlorobenzene	146					Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane	75					Compound Not Detected.		
91 1,2,4-Trichlorobenzene	180					Compound Not Detected.		
94 1,2,3-Trichlorobenzene	180					Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912.b\80209a04.D
Lab Smp Id: NB02045-008 Client Smp ID: F5AX5
Inj Date : 09-FEB-2012 08:27
Operator : BM Inst ID: msd8.i
Smp Info : 8feb0912.b, NB02045-008
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912.b\TRACE-8.m
Meth Date : 18-Feb-2012 16:00 joj Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 85 1,4-Dichlorobenzene-d4	11.673	2481858	5.000

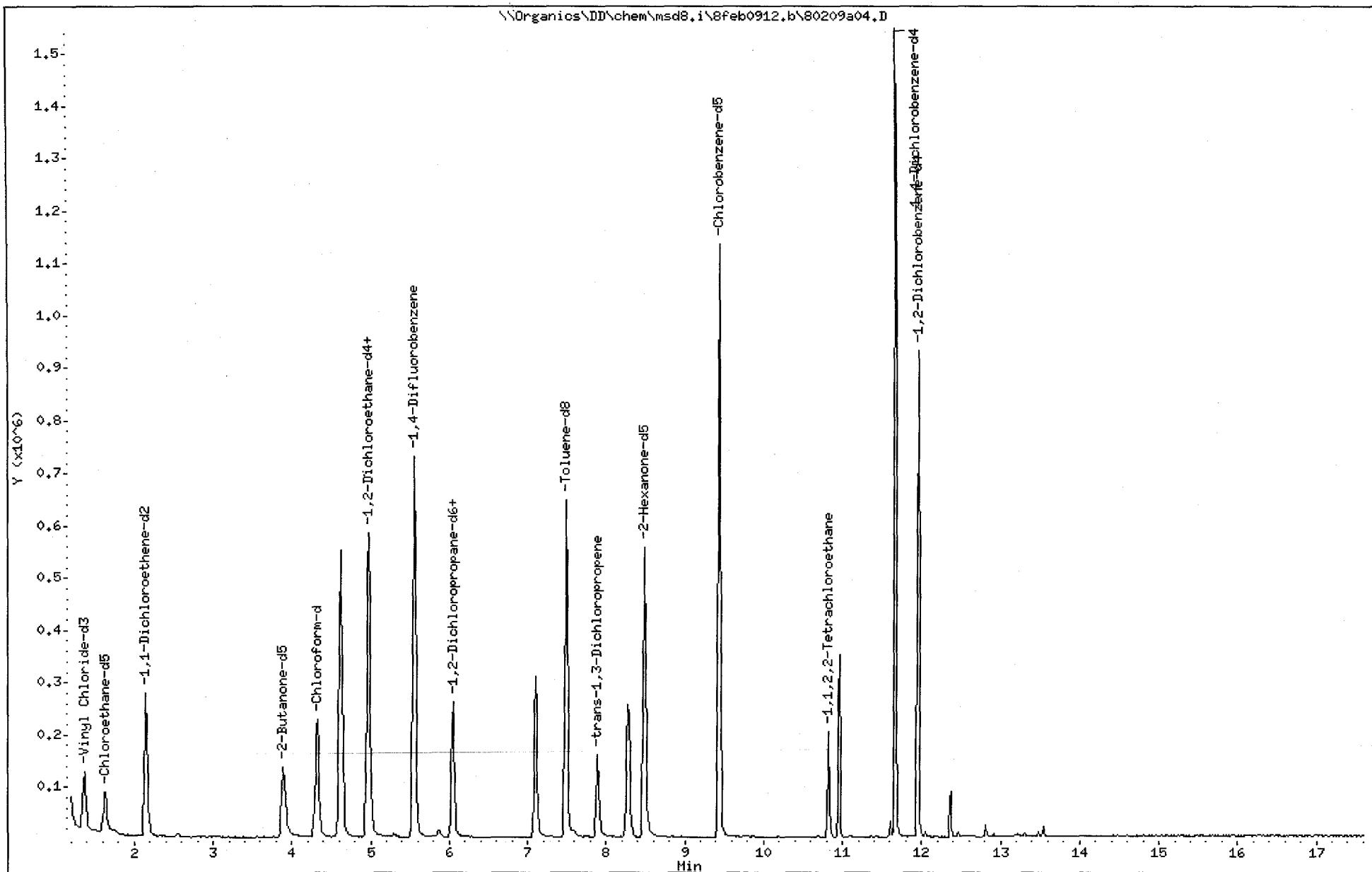
CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	====
10.963	560369	1.12893061	1.1289	91	NIST02.L	115616	85

Data File: \\Organics\DD\chem\msd8.i\8feb0912.b\80209a04.D
Date : 09-FEB-2012 08:27
Client ID: F5AX5
Sample Info: 8feb0912.b, NB02045-008
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: BM
Column diameter: 0.18

Page 3

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Date : 09-FEB-2012 08:27

Client ID: F5AX5

Instrument: msd8.i

Sample Info: 8Feb0912.b, NB02045-008

Purge Volume: 25.0

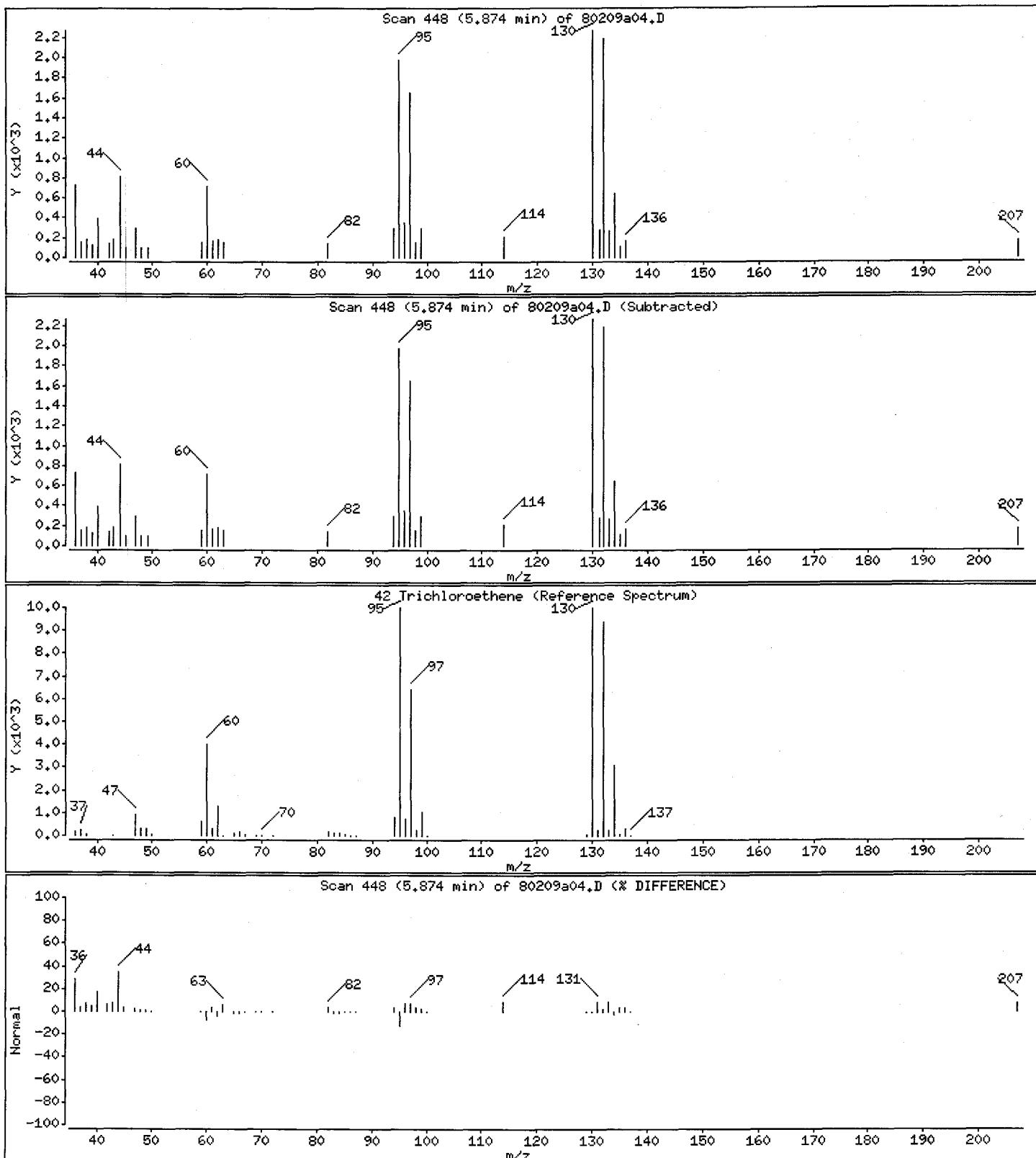
Operator: BM

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.1563 ug/L



Date : 09-FEB-2012 08:27

Client ID: F5AX5

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-008

Purge Volume: 25.0

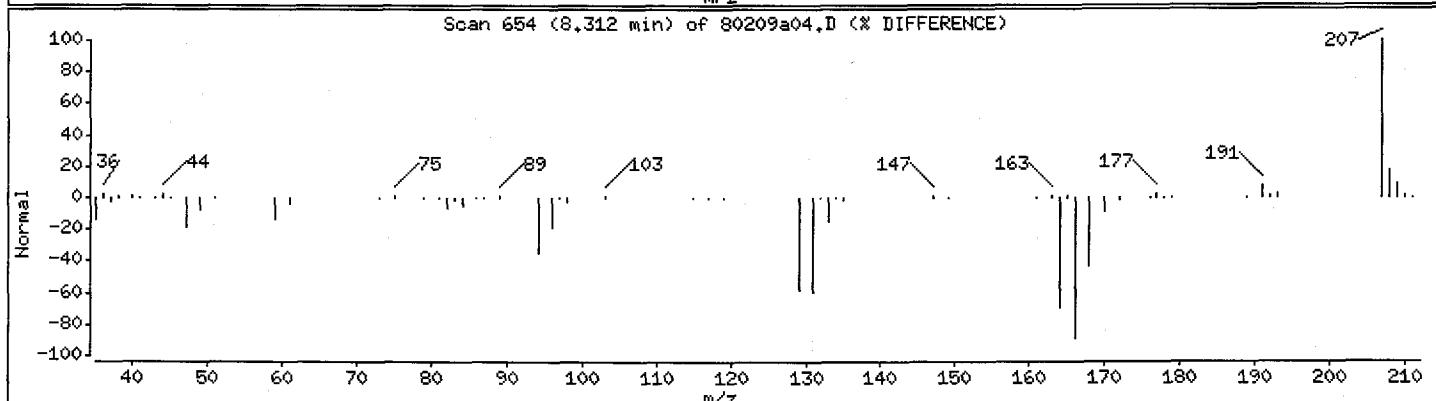
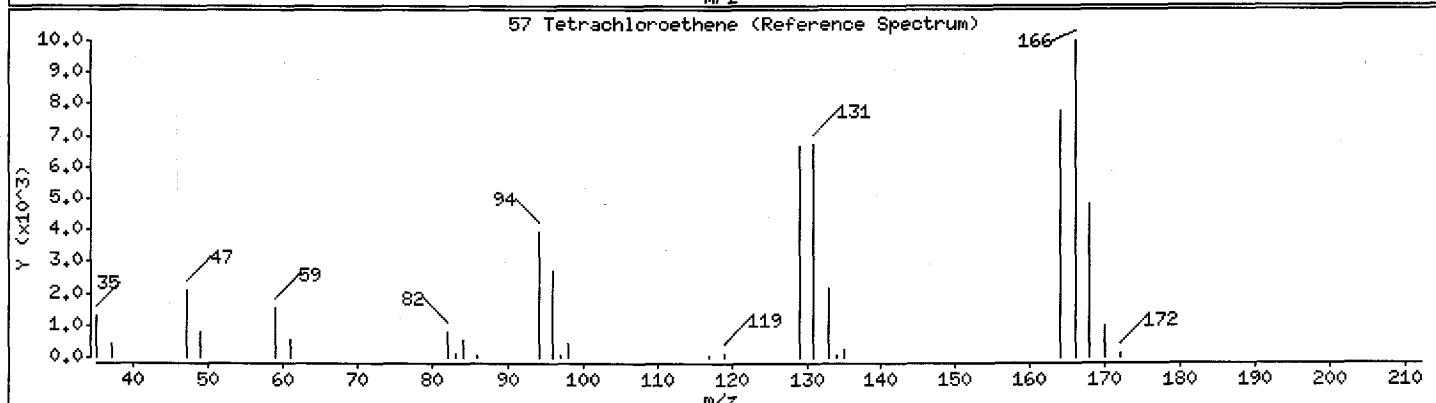
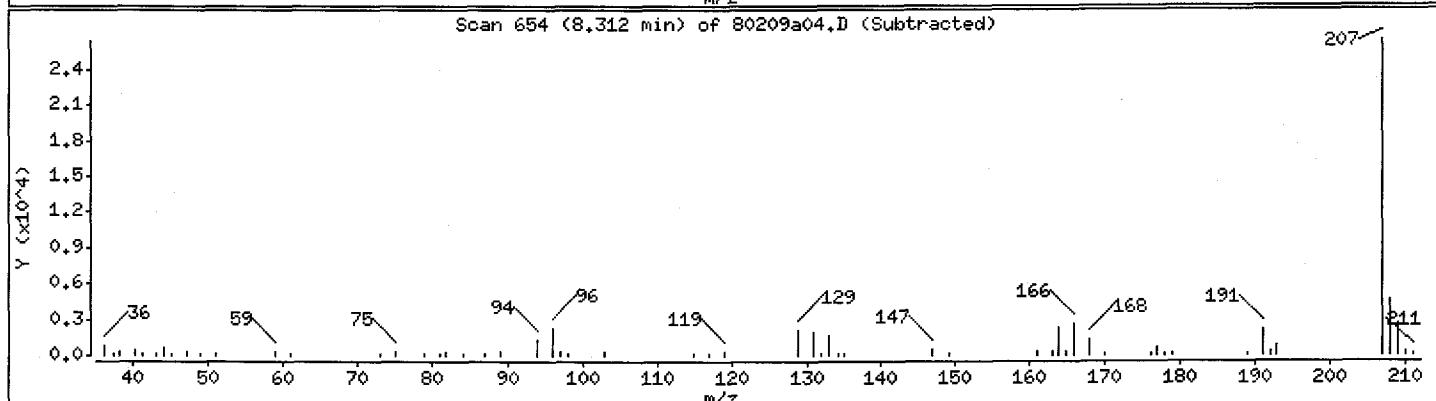
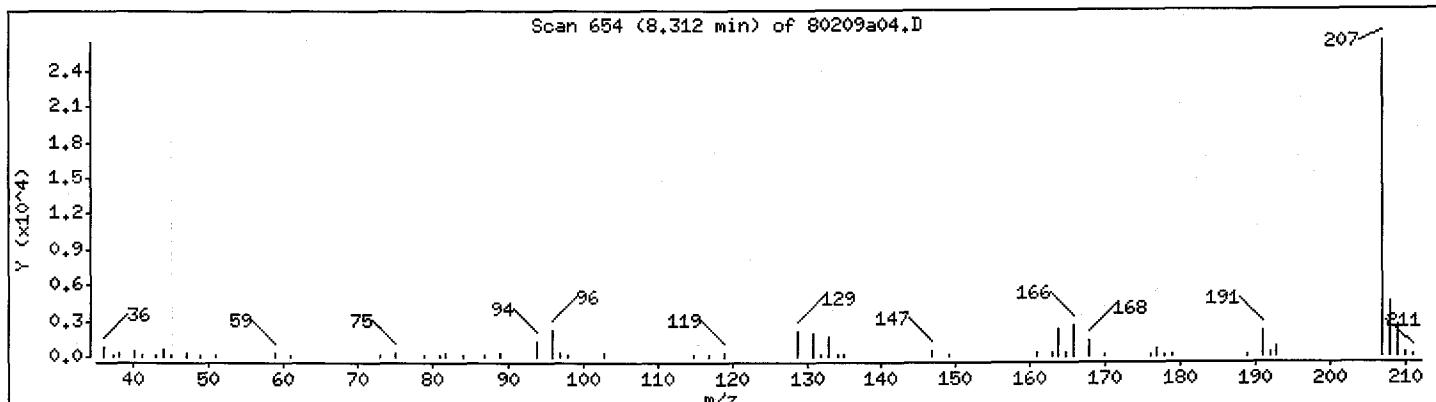
Operator: BM

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 0.1983 ug/L



Date : 09-FEB-2012 08:27

Client ID: F5AX5

Instrument: msd8.i

Sample Info: 8feb0912.b, NB02045-008

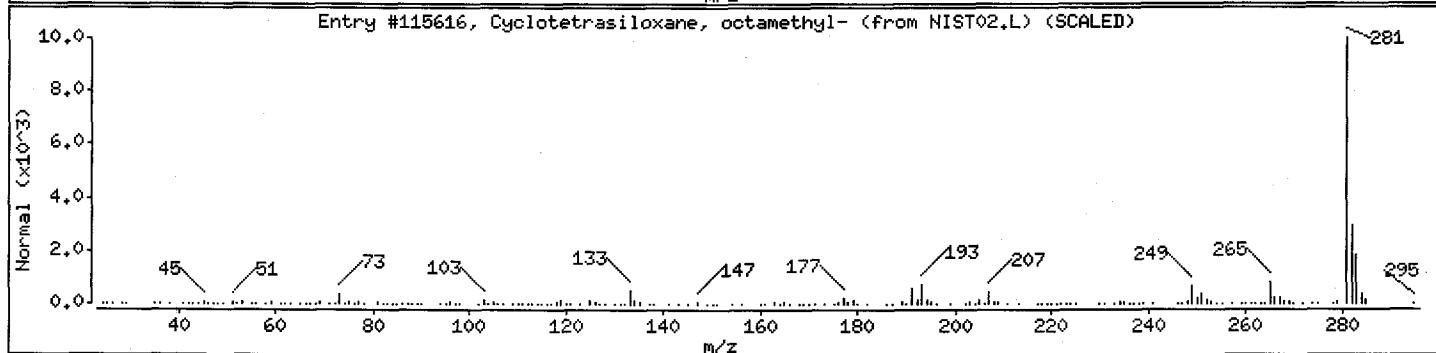
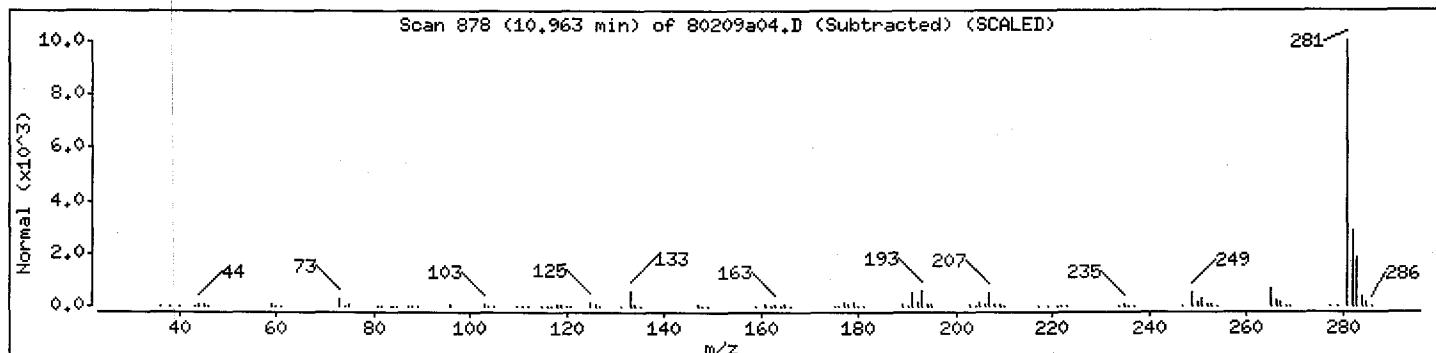
Purge Volume: 25.0

Operator: BM

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST02.L	115616	91	C8H24O4Si4	296



3. Volatiles Standards Data

- a. Initial Calibration Data**
(Form VI VOA-1, VOA-2, VOA-3)

- b. Continuing Calibration Verification Data**
(Form VII VOA-1, VOA-2, VOA-3)

a. Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)

Arrange in chronological order, by instrument.

- (1) Quantitation reports for the initial (five-point) calibration.
Spectra not required.
- (2) Reconstructed Ion Chromatograms.
- (3) EICPs displaying each manual integration.

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035
 Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6
 Instrument ID: MSD8 Calibration Date(s): 02/08/2012 02/08/2012
 Heated Purge: (Y/N) N Calibration Time(s): 1729 1856
 Purge Volume: 25.0 (mL)
 GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID:	RRF 0.5 = 80208c06	RRF 1.0 = 80208c05					
COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	RRF	%RSD
Dichlorodifluoromethane	0.2230	0.2293	0.2166	0.1985	0.2415	0.2218	7.2
Chloromethane	0.2605	0.2685	0.2500	0.2399	0.2597	0.2557	4.3
Vinyl chloride	0.2545	0.2672	0.2517	0.2286	0.2622	0.2528	5.9
Bromomethane	0.1703	0.1486	0.1411	0.1310	0.1307	0.1443	11.3
Chloroethane	0.1491	0.1457	0.1316	0.1167	0.1219	0.1330	10.7
Trichlorofluoromethane	0.2834	0.2895	0.2757	0.2553	0.2919	0.2791	5.3
1,1-Dichloroethene	0.1990	0.2026	0.1955	0.1795	0.2075	0.1968	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2049	0.2063	0.1958	0.1750	0.2076	0.1979	6.9
Acetone	0.0243	0.0255	0.0150	0.0167	0.0217	0.0206	22.4
Carbon Disulfide	0.5972	0.6132	0.5811	0.5336	0.6254	0.5901	6.1
Methyl acetate	0.0600	0.0679	0.0640	0.0591	0.0680	0.0638	6.6
Methylene chloride	0.2708	0.2112	0.1874	0.1789	0.1974	0.2091	17.5
trans-1,2-Dichloroethene	0.2306	0.2223	0.2145	0.1980	0.2267	0.2184	5.9
Methyl tert-butyl ether	0.3413	0.3471	0.3469	0.3362	0.3887	0.3520	6.0
1,1-Dichloroethane	0.3877	0.3740	0.3713	0.3558	0.3997	0.3777	4.4
cis-1,2-Dichloroethene	0.2092	0.2300	0.2220	0.2121	0.2369	0.2221	5.3
2-Butanone	0.0372	0.0409	0.0363	0.0351	0.0389	0.0377	6.0
Bromochloromethane	0.0790	0.0814	0.0786	0.0778	0.0880	0.0810	5.1
Chloroform	0.3389	0.3472	0.3366	0.3243	0.3549	0.3404	3.4
1,1,1-Trichloroethane	0.3001	0.2946	0.2961	0.2865	0.3244	0.3003	4.8
Cyclohexane	0.5097	0.4773	0.4223	0.3883	0.4555	0.4506	10.5
Carbon tetrachloride	0.2314	0.2442	0.2477	0.2440	0.2896	0.2514	8.8
Benzene	0.8696	0.8615	0.8510	0.8507	0.9555	0.8777	5.0
1,2-Dichloroethane	0.1519	0.1653	0.1604	0.1597	0.1721	0.1619	4.6
Trichloroethene	0.2265	0.2313	0.2246	0.2151	0.2495	0.2294	5.5
Methylcyclohexane	0.4769	0.4906	0.4740	0.4509	0.5245	0.4834	5.6

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035
 Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6
 Instrument ID: MSD8 Calibration Date(s): 02/08/2012 02/08/2012
 Heated Purge: (Y/N) N Calibration Time(s): 1729 1856
 Purge Volume: 25.0 (mL)
 GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID:	RRF 0.5 = 80208c06	RRF 1.0 = 80208c05					
COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	RRF	%RSD
1,2-Dichloropropane	0.1853	0.1979	0.1975	0.1984	0.2231	0.2004	6.9
Bromodichloromethane	0.1918	0.2068	0.2081	0.2186	0.2482	0.2147	9.8
cis-1,3-Dichloropropene	0.2406	0.2557	0.2799	0.2826	0.3197	0.2757	10.9
4-Methyl-2-pentanone	0.1000	0.1083	0.1092	0.1121	0.1137	0.1086	4.9
Toluene	0.8742	0.8993	0.9105	0.8809	0.9916	0.9113	5.2
trans-1,3-Dichloropropene	0.1755	0.1858	0.2085	0.2100	0.2414	0.2042	12.5
1,1,2-Trichloroethane	0.1157	0.1124	0.1135	0.1132	0.1256	0.1161	4.7
Tetrachloroethene	0.1914	0.1917	0.1896	0.1786	0.2084	0.1919	5.5
2-Hexanone	0.0701	0.0767	0.0782	0.0792	0.0777	0.0764	4.8
Dibromochloromethane	0.1195	0.1225	0.1331	0.1344	0.1554	0.1330	10.6
1,2-Dibromoethane	0.1026	0.1083	0.1102	0.1108	0.1225	0.1109	6.6
Chlorobenzene	0.6090	0.6212	0.6192	0.5974	0.6665	0.6227	4.2
Ethylbenzene	1.0486	1.0652	1.0699	1.0139	1.1539	1.0703	4.8
o-Xylene	0.4031	0.4205	0.4236	0.4184	0.4658	0.4263	5.5
m,p-Xylene	0.4077	0.4265	0.4384	0.4207	0.4736	0.4334	5.8
Styrene	0.6045	0.6461	0.6820	0.6694	0.7385	0.6681	7.4
Bromoform	0.1006	0.1199	0.1297	0.1374	0.1605	0.1296	17.1
Isopropylbenzene	1.0542	1.0960	1.1014	1.0464	1.1725	1.0941	4.6
1,1,2,2-Tetrachloroethane	0.1189	0.1202	0.1236	0.1309	0.1460	0.1279	8.7
1,3-Dichlorobenzene	0.9825	0.9976	0.9645	0.9333	1.0316	0.9819	3.7
1,4-Dichlorobenzene	1.0018	1.0070	0.9484	0.9272	1.0230	0.9815	4.2
1,2-Dichlorobenzene	0.7852	0.8448	0.7952	0.7876	0.8708	0.8167	4.7
1,2-Dibromo-3-chloropropane	0.0295	0.0298	0.0292	0.0337	0.0393	0.0323	13.3
1,2,4-Trichlorobenzene	0.5201	0.5913	0.5397	0.5672	0.6219	0.5681	7.1
1,2,3-Trichlorobenzene	0.4262	0.4642	0.4028	0.4270	0.4523	0.4345	5.6

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8 Calibration Date(s): 02/08/2012 02/08/2012

Heated Purge: (Y/N) N Calibration Time(s): 1729 1856

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE	ID:	RRF 0.5 = 80208c06	RRF 1.0 = 80208c05					
RRF 5.0 =	<u>80208c04</u>	<u>80208c03</u>	<u>80208c02</u>					
COMPOUND		RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	RRF	%RSD
Vinyl Chloride-d3		0.2274	0.2196	0.2264	0.2179	0.2095	0.2202	3.3
Chloroethane-d5		0.1928	0.1909	0.1736	0.1638	0.1397	0.1721	12.7
1,1-Dichloroethene-d2		0.3957	0.3989	0.4185	0.3942	0.3958	0.4006	2.5
2-Butanone-d5		0.0406	0.0428	0.0376	0.0432	0.0413	0.0411	5.4
Chloroform-d		0.3656	0.3644	0.3698	0.3599	0.3486	0.3617	2.2
1,2-Dichloroethane-d4		0.1407	0.1468	0.1386	0.1374	0.1353	0.1397	3.2
Benzene-d6		0.8876	0.9341	0.9300	0.9234	0.9040	0.9158	2.1
1,2-Dichloropropane-d6		0.2634	0.2702	0.2744	0.2762	0.2773	0.2723	2.1
Toluene-d8		0.8095	0.8421	0.8490	0.8358	0.8282	0.8329	1.8
trans-1,3-Dichloropropene-d4		0.1794	0.1913	0.2109	0.2122	0.2120	0.2012	7.5
2-Hexanone-d5		0.0390	0.0436	0.0462	0.0471	0.0439	0.0440	7.2
1,1,2,2-Tetrachloroethane-d2		0.1349	0.1437	0.1394	0.1453	0.1433	0.1413	3.0
1,2-Dichlorobenzene-d4		0.5718	0.6010	0.5522	0.5523	0.5426	0.5640	4.1

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c06.D
 Lab Smp Id: VSTD0.5LU Client Smp ID: VSTD0.5LU
 Inj Date : 08-FEB-2012 18:56
 Operator : JJG Inst ID: msd8.i
 Smp Info : 8feb0812c.b, VSTD0.5LU
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb0812c.b\TRACE-8.m
 Meth Date : 11-Feb-2012 14:58 msd8.i Quant Type: ISTD
 Cal Date : 08-FEB-2012 18:34 Cal File: 80208c05.D
 Als bottle: 8 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14
 Processing Host: VOA-LBUTFLIOSKI

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF 41932
C036

Name	Value	Description	Signature	Date
DF	1.000	Dilution Factor		
Vo	25.000	Purge Volume in ML	02/18/12	
Cpnd Variable		Local Compound Variable		

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		19223	0.50000	0.5027
2 Chloromethane	50	1.295	1.295 (0.233)		22460	0.50000	0.5094
\$ 3 Vinyl Chloride-d3	65	1.366	1.366 (0.246)		19600	0.50000	0.5163
4 Vinyl Chloride	62	1.366	1.366 (0.246)		21938	0.50000	0.5032
5 Bromomethane	94	1.590	1.590 (0.286)		14681	0.50000	0.5899
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)		16616	0.50000	0.5598
7 Chloroethane	64	1.650	1.650 (0.297)		12849	0.50000	0.5603
8 Trichlorodifluoromethane	101	1.792	1.792 (0.323)		24429	0.50000	0.5075
\$ 12 1,1-Dichloroethene-d2	63	2.146	2.146 (0.387)		34106	0.50000	0.4937(a)
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		17158	0.50000	0.5055
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.182	2.182 (0.393)		17662	0.50000	0.5176
14 Acetone	43	2.206	2.206 (0.397)		20973	5.00000	5.8916
15 Carbon Disulfide	76	2.336	2.336 (0.421)		51484	0.50000	0.5060
16 Methyl Acetate	43	2.785	2.785 (0.502)		5172	0.50000	0.4703(a)
17 Methylene Chloride	84	2.549	2.549 (0.459)		23345	0.50000	0.6474
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		29421	0.50000	0.4847(a)
21 trans-1,2-Dichloroethene	96	2.809	2.809 (0.506)		19881	0.50000	0.5278
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		33423	0.50000	0.5132
\$ 25 2-Butanone-d5	46	3.910	3.910 (0.704)		35028	5.00000	4.9417
26 cis-1,2-Dichloroethene	96	3.945	3.945 (0.710)		18036	0.50000	0.4711(a)
28 2-Butanone	43	3.981	3.981 (0.717)		32078	5.00000	4.9352(a)
29 Bromochloromethane	128	4.241	4.241 (0.764)		6808	0.50000	0.4877(a)
\$ 30 Chloroform-d4	84	4.324	4.324 (0.778)		31517	0.50000	0.5054

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
31 Chloroform	83	4.347	4.347 (0.783)		29211	0.50000	0.4977(a)
33 1,1,1-Trichloroethane	97	4.549	4.549 (0.482)		24218	0.50000	0.4995(a)
32 Cyclohexane	56	4.608	4.608 (0.488)		41139	0.50000	0.5655
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)		18679	0.50000	0.4603(a)
\$ 38 1,2-Dichloroethane-d4	65	4.975	4.975 (0.896)		12128	0.50000	0.5034(Q)
\$ 36 Benzene-d6	84	4.975	4.975 (0.527)		71637	0.50000	0.4845(a)
37 Benzene	78	5.022	5.022 (0.532)		70185	0.50000	0.4954(a)
39 1,2-Dichloroethane	62	5.069	5.069 (0.913)		13090	0.50000	0.4689(a)
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)		862023	5.00000	
42 Trichloroethene	95	5.874	5.874 (0.623)		18279	0.50000	0.4936(a)
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)		21257	0.50000	0.4836(a)
43 Methylcyclohexane	83	6.087	6.087 (0.645)		38486	0.50000	0.4932(a)
45 1,2-Dichloropropane	63	6.170	6.170 (0.654)		14957	0.50000	0.4623(a)
49 Bromodichloromethane	83	6.560	6.560 (0.695)		15479	0.50000	0.4466(a)
50 cis-1,3-Dichloropropene	75	7.164	7.164 (0.759)		19419	0.50000	0.4363(a)
51 4-Methyl-2-pentanone	43	7.400	7.400 (0.784)		80720	5.00000	4.6028(a)
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)		65333	0.50000	0.4859(a)
53 Toluene	91	7.590	7.590 (0.804)		70555	0.50000	0.4796(a)
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897 (0.837)		14479	0.50000	0.4458(a)
55 trans-1,3-Dichloropropene	75	7.933	7.933 (0.841)		14163	0.50000	0.4296(a)
56 1,1,2-Trichloroethane	97	8.169	8.169 (0.866)		9335	0.50000	0.4982(a)
57 Tetrachloroethene	164	8.311	8.311 (0.881)		15447	0.50000	0.4986(a)
\$ 58 2-Hexanone-d5	63	8.489	8.489 (0.900)		31463	5.00000	4.4329
60 2-Hexanone	43	8.560	8.560 (0.907)		56556	5.00000	4.5876(a)
61 Dibromochloromethane	129	8.690	8.690 (0.921)		9646	0.50000	0.4493(a)
62 1,2-Dibromoethane	107	8.820	8.820 (0.935)		8283	0.50000	0.4627(a)
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)		807063	5.00000	
64 Chlorobenzene	112	9.471	9.471 (1.004)		49153	0.50000	0.4890(a)
65 Ethylbenzene	91	9.625	9.625 (1.020)		84627	0.50000	0.4898(a)
67 m+p-Xylenes	106	9.767	9.767 (1.035)		32902	0.50000	0.4703(a)
68 o-Xylene	106	10.181	10.181 (1.079)		32533	0.50000	0.4728(a)
69 Styrene	104	10.205	10.205 (1.082)		48784	0.50000	0.4523(a)
70 Bromoform	173	10.370	10.370 (0.888)		4273	0.50000	0.3879(a)
71 Isopropylbenzene	105	10.548	10.548 (1.118)		85080	0.50000	0.4817(a)
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)		10885	0.50000	0.4772(a)
74 1,1,2,2-Tetrachloroethane	83	10.856	10.856 (1.150)		9596	0.50000	0.4647(a)
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.995)		41740	0.50000	0.5002
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672 (1.000)		424852	5.00000	
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.001)		42560	0.50000	0.5103
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.024)		24292	0.50000	0.5069
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.025)		33361	0.50000	0.4807(a)
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.075)		1254	0.50000	0.4570(aQ)
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.124)		22098	0.50000	0.4578(a)
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.152)		18107	0.50000	0.4904(a)

QC Flag Legend

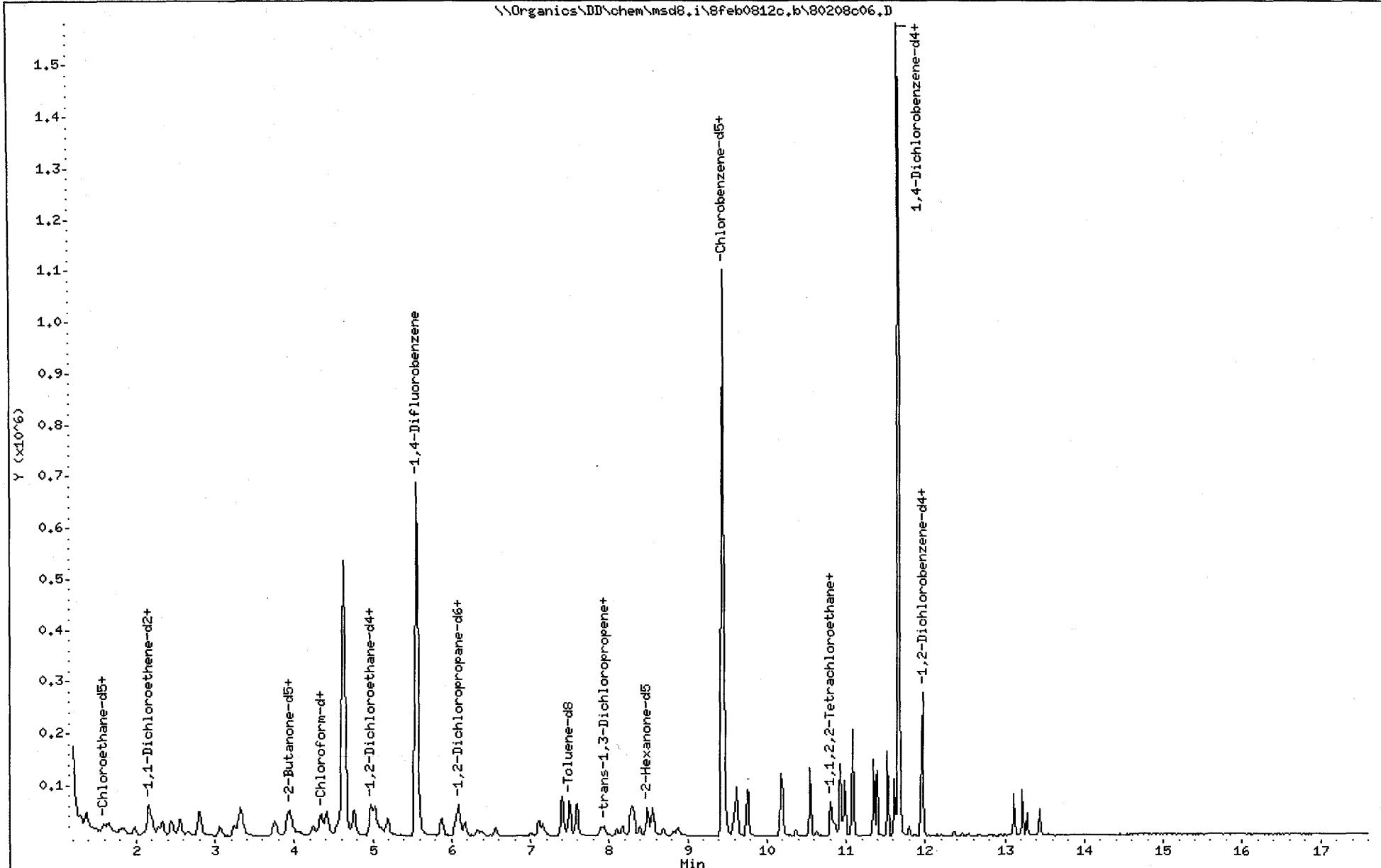
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c06.D
Date : 08-FEB-2012 18:56
Client ID: VSTD0.5LU
Sample Info: 8feb0812c.b, VSTD0.5LU
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

\\Organics\DD\chem\msd8.i\8feb0812c.b\80208c06.D



Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c05.D
Lab Smp Id: VSTD001LU Client Smp ID: VSTD001LU
Inj Date : 08-FEB-2012 18:34
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0812c.b, VSTD001LU
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0812c.b\TRACE-8.m
Meth Date : 11-Feb-2012 14:58 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:12 Cal File: 80208c04.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14
Processing Host: VOA-LBUTFLIOSKI

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		39777	1.00000	1.0337
2 Chloromethane	50	1.295	1.295 (0.233)		46574	1.00000	1.0497
\$ 3 Vinyl Chloride-d3	65	1.366	1.366 (0.246)		38091	1.00000	0.9972
4 Vinyl Chloride	62	1.366	1.366 (0.246)		46362	1.00000	1.0569
5 Bromomethane	94	1.579	1.579 (0.284)		25773	1.00000	1.0292
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)		33121	1.00000	1.1090
7 Chloroethane	64	1.650	1.650 (0.297)		25275	1.00000	1.0954
8 Trichlorodifluoromethane	101	1.827	1.827 (0.329)		50225	1.00000	1.0370
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)		69211	1.00000	0.9957
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		35147	1.00000	1.0291
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.182	2.182 (0.393)		35786	1.00000	1.0422
14 Acetone	43	2.218	2.218 (0.399)		44228	10.0000	12.3466
15 Carbon Disulfide	76	2.336	2.336 (0.421)		106382	1.00000	1.0391
16 Methyl Acetate	43	2.797	2.797 (0.504)		11772	1.00000	1.0639
17 Methylene Chloride	84	2.561	2.561 (0.461)		36636	1.00000	1.0096
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		60215	1.00000	0.9859
21 trans-1,2-Dichloroethene	96	2.809	2.809 (0.506)		38565	1.00000	1.0175
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		64891	1.00000	0.9902
\$ 25 2-Butanone-d5	46	3.910	3.910 (0.704)		74236	10.0000	10.4077
26 cis-1,2-Dichloroethene	96	3.945	3.945 (0.710)		39896	1.00000	1.0356
28 2-Butanone	43	3.981	3.981 (0.717)		71034	10.0000	10.8603
29 Bromochloromethane	128	4.241	4.241 (0.764)		14114	1.00000	1.0049
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		63218	1.00000	1.0075

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
31 Chloroform	83	4.347	4.347 (0.783)		60232	1.00000	1.0199
33 1,1,1-Trichloroethane	97	4.549	4.549 (0.482)		48293	1.00000	0.9809
32 Cyclohexane	56	4.608	4.608 (0.488)		78228	1.00000	1.0590
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)		40025	1.00000	0.9713
\$ 38 1,2-Dichloroethane-d4	65	4.975	4.975 (0.896)		25468	1.00000	1.0505(Q)
\$ 36 Benzene-d6	84	4.975	4.975 (0.527)		153114	1.00000	1.0199
37 Benzene	78	5.022	5.022 (0.532)		141209	1.00000	0.9815
39 1,2-Dichloroethane	62	5.069	5.069 (0.913)		28686	1.00000	1.0212
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)		867451	5.00000	
42 Trichloroethene	95	5.874	5.874 (0.623)		37919	1.00000	1.0084
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)		44296	1.00000	0.9924
43 Methylcyclohexane	83	6.099	6.099 (0.646)		80418	1.00000	1.0149
45 1,2-Dichloropropane	63	6.170	6.170 (0.654)		32446	1.00000	0.9875
49 Bromodichloromethane	83	6.560	6.560 (0.695)		33894	1.00000	0.9631
50 cis-1,3-Dichloropropene	75	7.152	7.152 (0.758)		41911	1.00000	0.9273
51 4-Methyl-2-pentanone	43	7.400	7.400 (0.784)		177495	10.0000	9.9667
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)		138036	1.00000	1.0110
53 Toluene	91	7.590	7.590 (0.804)		147404	1.00000	0.9868
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897 (0.837)		31356	1.00000	0.9508
55 trans-1,3-Dichloropropene	75	7.933	7.933 (0.841)		30453	1.00000	0.9097
56 1,1,2-Trichloroethane	97	8.181	8.181 (0.867)		18423	1.00000	0.9682
57 Tetrachloroethene	164	8.311	8.311 (0.881)		31415	1.00000	0.9985
\$ 58 2-Hexanone-d5	63	8.489	8.489 (0.900)		71499	10.0000	9.9201
60 2-Hexanone	43	8.560	8.560 (0.907)		125655	10.0000	10.0373
61 Dibromochloromethane	129	8.690	8.690 (0.921)		20083	1.00000	0.9212
62 1,2-Dibromoethane	107	8.820	8.820 (0.935)		17759	1.00000	0.9769
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)		819568	5.00000	
64 Chlorobenzene	112	9.471	9.471 (1.004)		101825	1.00000	0.9976
65 Ethylbenzene	91	9.625	9.625 (1.020)		174608	1.00000	0.9952
67 m+p-Xylenes	106	9.755	9.755 (1.034)		69902	1.00000	0.9840
68 o-Xylene	106	10.181	10.181 (1.079)		68923	1.00000	0.9864
69 Styrene	104	10.205	10.205 (1.082)		105907	1.00000	0.9670
70 Bromoform	173	10.370	10.370 (0.888)		10209	1.00000	0.9247
71 Isopropylbenzene	105	10.548	10.548 (1.118)		179652	1.00000	1.0017
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)		23554	1.00000	1.0168
74 1,1,2,2-Tetrachloroethane	83	10.856	10.856 (1.150)		19695	1.00000	0.9393
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.995)		84968	1.00000	1.0159
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672 (1.000)		425875	5.00000	
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.001)		85773	1.00000	1.0260
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.024)		51192	1.00000	1.0656
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.025)		71953	1.00000	1.0343
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.075)		2536	1.00000	0.9220
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.124)		50363	1.00000	1.0408
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.152)		39537	1.00000	1.0683

QC Flag Legend

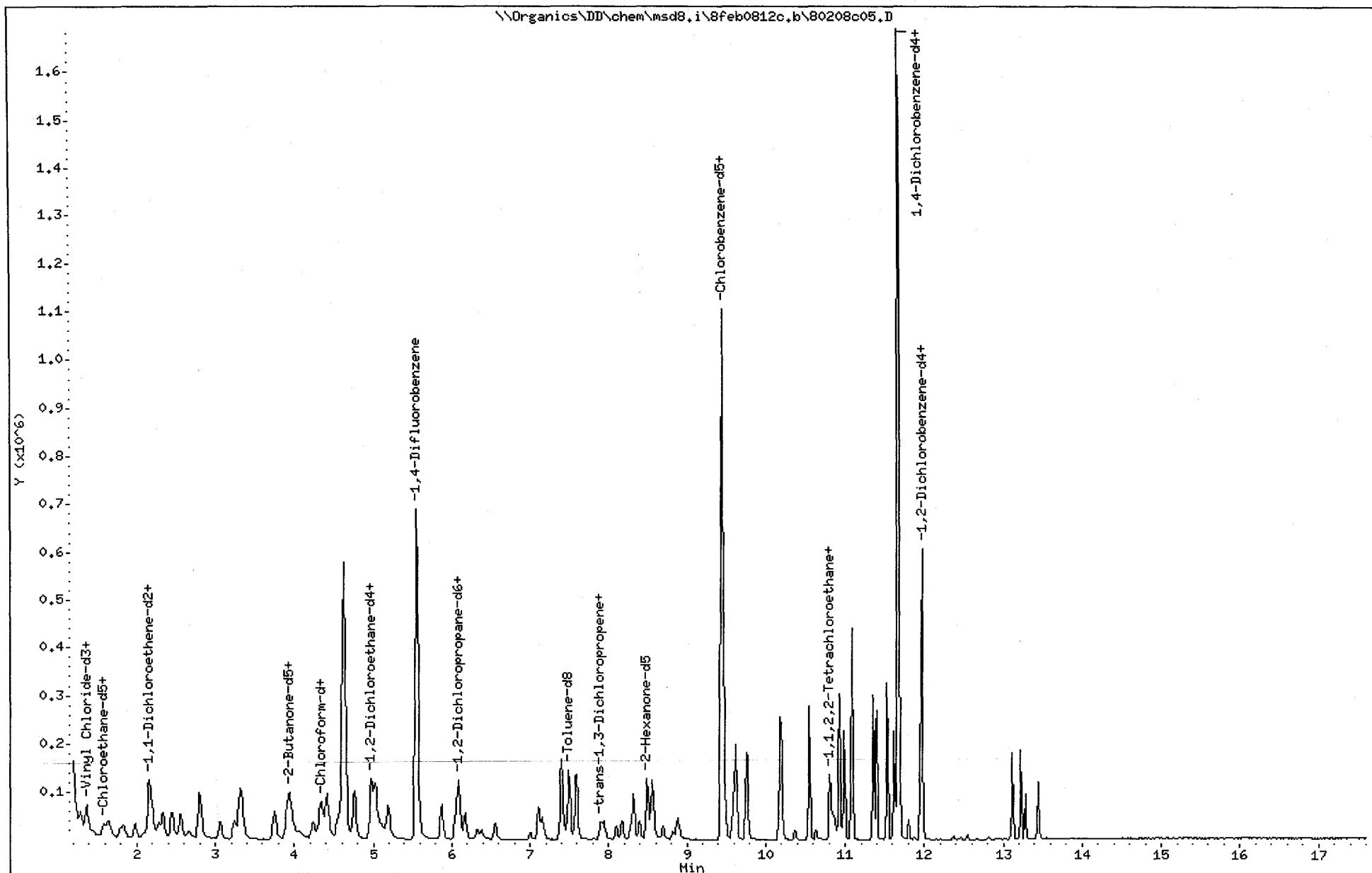
Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c05.D
Date : 08-FEB-2012 18:34
Client ID: VSTD001LU
Sample Info: 8feb0812c.b, VSTD001LU
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JG
Column diameter: 0.18

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Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c04.D
Lab Smp Id: VSTD005LU Client Smp ID: VSTD005LU
Inj Date : 08-FEB-2012 18:12
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0812c.b, VSTD005LU
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0812c.b\TRACE-8.m
Meth Date : 11-Feb-2012 14:58 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 17:50 Cal File: 80208c03.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14
Processing Host: VOA-LBUTFLIOSKI

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)	192935	5.00000	4.8836	
2 Chloromethane	50	1.295	1.295 (0.233)	222699	5.00000	4.8886	
\$ 3 Vinyl Chloride-d3	65	1.366	1.366 (0.246)	201685	5.00000	5.1426	
4 Vinyl Chloride	62	1.366	1.366 (0.246)	224175	5.00000	4.9774	
5 Bromomethane	94	1.590	1.590 (0.286)	125709	5.00000	4.8891	
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)	154601	5.00000	5.0417	
7 Chloroethane	64	1.650	1.650 (0.297)	117185	5.00000	4.9464	
8 Trichlorodifluoromethane	101	1.827	1.827 (0.329)	245532	5.00000	4.9377	
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)	372752	5.00000	5.2233	
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)	174142	5.00000	4.9664	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.182	2.182 (0.393)	174394	5.00000	4.9465	
14 Acetone	43	2.206	2.206 (0.397)	133350	50.0000	36.2558	
15 Carbon Disulfide	76	2.336	2.336 (0.421)	517563	5.00000	4.9236	
16 Methyl Acetate	43	2.797	2.797 (0.504)	56983	5.00000	5.0159	
17 Methylene Chloride	84	2.549	2.549 (0.459)	166938	5.00000	4.4809	
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)	308961	5.00000	4.9268	
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)	191072	5.00000	4.9103	
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)	330677	5.00000	4.9146	
\$ 25 2-Butanone-d5	46	3.898	3.898 (0.702)	335255	50.0000	45.7772	
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)	197752	5.00000	4.9994	
28 2-Butanone	43	3.969	3.969 (0.715)	323475	50.0000	48.1669	
29 Bromochloromethane	128	4.241	4.241 (0.764)	70017	5.00000	4.8554	
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)	329371	5.00000	5.1123	

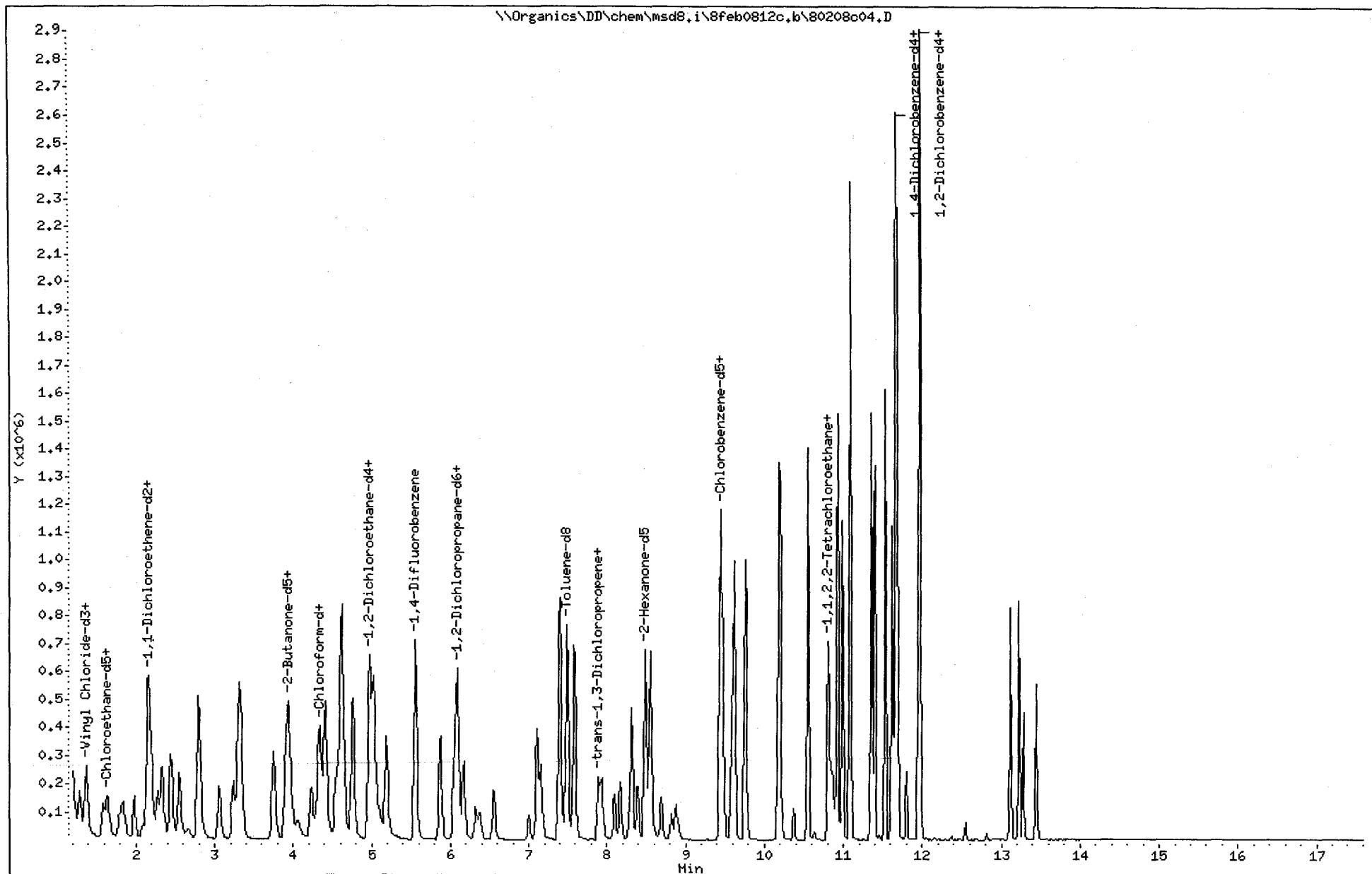
Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
31 Chloroform	83	4.348	4.348 (0.783)	299831	5.00000	4.9450	
33 1,1,1-Trichloroethane	97	4.549	4.549 (0.482)	243679	5.00000	4.9287	
32 Cyclohexane	56	4.608	4.608 (0.488)	347557	5.00000	4.6853	
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)	203869	5.00000	4.9265	
\$ 38 1,2-Dichloroethane-d4	65	4.975	4.975 (0.896)	123402	5.00000	4.9576	
\$ 36 Benzene-d6	84	4.975	4.975 (0.527)	765435	5.00000	5.0771	
37 Benzene	78	5.022	5.022 (0.532)	700458	5.00000	4.8481	
39 1,2-Dichloroethane	62	5.069	5.069 (0.913)	142905	5.00000	4.9551	
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)	890662	5.00000		
42 Trichloroethene	95	5.874	5.874 (0.623)	184852	5.00000	4.8951	
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)	225828	5.00000	5.0381	
43 Methylcyclohexane	83	6.087	6.087 (0.645)	390128	5.00000	4.9029	
45 1,2-Dichloropropane	63	6.170	6.170 (0.654)	162532	5.00000	4.9259	
49 Bromodichloromethane	83	6.548	6.548 (0.694)	171312	5.00000	4.8474	
50 cis-1,3-Dichloropropene	75	7.152	7.152 (0.758)	230415	5.00000	5.0765	
51 4-Methyl-2-pentanone	43	7.400	7.400 (0.784)	898587	50.0000	50.2424	
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)	698803	5.00000	5.0964	
53 Toluene	91	7.578	7.578 (0.803)	749407	5.00000	4.9955	
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897 (0.837)	173608	5.00000	5.2421	
55 trans-1,3-Dichloropropene	75	7.933	7.933 (0.841)	171596	5.00000	5.1044	
56 1,1,2-Trichloroethane	97	8.170	8.170 (0.866)	93399	5.00000	4.8880	
57 Tetrachloroethene	164	8.312	8.312 (0.881)	156048	5.00000	4.9392	
\$ 58 2-Hexanone-d5	63	8.489	8.489 (0.900)	380176	50.0000	52.5230	
60 2-Hexanone	43	8.548	8.548 (0.906)	643511	50.0000	51.1845	
61 Dibromochloromethane	129	8.690	8.690 (0.921)	109522	5.00000	5.0028	
62 1,2-Dibromoethane	107	8.820	8.820 (0.935)	90684	5.00000	4.9672	
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)	823075	5.00000		
64 Chlorobenzene	112	9.471	9.471 (1.004)	509623	5.00000	4.9719	
65 Ethylbenzene	91	9.625	9.625 (1.020)	880639	5.00000	4.9982	
67 m+p-Xylenes	106	9.755	9.755 (1.034)	360801	5.00000	5.0576	
68 o-Xylene	106	10.181	10.181 (1.079)	348639	5.00000	4.9684	
69 Styrene	104	10.193	10.193 (1.080)	561378	5.00000	5.1043	
70 Bromoform	173	10.370	10.370 (0.888)	56923	5.00000	5.0025	
71 Isopropylbenzene	105	10.548	10.548 (1.118)	906552	5.00000	5.0334	
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)	114746	5.00000	4.9327	
74 1,1,2,-Tetrachloroethane	83	10.856	10.856 (1.150)	101758	5.00000	4.8325	
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.995)	423364	5.00000	4.9115	
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672 (1.000)	438939	5.00000		
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.001)	416293	5.00000	4.8315	
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.024)	242376	5.00000	4.8954	
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.025)	349035	5.00000	4.8682	
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.075)	12822	5.00000	4.5231	
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.124)	236916	5.00000	4.7508	
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.152)	176811	5.00000	4.6354	

Data File: \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c04.D
Date : 08-FEB-2012 18:12
Client ID: VSTD005LU
Sample Info: 8feb0812c.b, VSTD005LU
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

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Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c03.D
 Lab Smp Id: VSTD010LU Client Smp ID: VSTD010LU
 Inj Date : 08-FEB-2012 17:50
 Operator : JJG Inst ID: msd8.i
 Smp Info : 8feb0812c.b, VSTD010LU
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb0812c.b\TRACE-8.m
 Meth Date : 11-Feb-2012 14:58 msd8.i Quant Type: ISTD
 Cal Date : 08-FEB-2012 17:29 Cal File: 80208c02.D
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14
 Processing Host: VOA-LBUTFLIOSKI

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS					
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		366167	10.0000	8.9489	
2 Chloromethane	50	1.295	1.295 (0.233)		442577	10.0000	9.3804	
\$ 3 Vinyl Chloride-d3	65	1.377	1.377 (0.248)		402019	10.0000	9.8973	
4 Vinyl Chloride	62	1.377	1.377 (0.248)		421738	10.0000	9.0412	
5 Bromomethane	94	1.579	1.579 (0.284)		241726	10.0000	9.0772	
\$ 6 Chloroethane-d5	69	1.626	1.626 (0.293)		302117	10.0000	9.5126	
7 Chloroethane	64	1.650	1.650 (0.297)		215345	10.0000	8.7764	
8 Trichlorofluoromethane	101	1.792	1.792 (0.323)		471020	10.0000	9.1458	
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)		727213	10.0000	9.8389	
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		331223	10.0000	9.1206	
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.182 (0.393)		322866	10.0000	8.8421	
14 Acetone	43	2.206	2.206 (0.397)		308928	100.000	81.0968	
15 Carbon Disulfide	76	2.336	2.336 (0.421)		984408	10.0000	9.0420	
16 Methyl Acetate	43	2.797	2.797 (0.504)		108954	10.0000	9.2600	
17 Methylene Chloride	84	2.549	2.549 (0.459)		329979	10.0000	8.5518	
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		620323	10.0000	9.5509	
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)		365373	10.0000	9.0659	
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		656435	10.0000	9.4199	
\$ 25 2-Butanone-d5	46	3.898	3.898 (0.702)		796666	100.000	105.0298	
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)		391394	10.0000	9.5538	
28 2-Butanone	43	3.969	3.969 (0.715)		647958	100.000	93.1574	
29 Bromochloromethane	128	4.241	4.241 (0.764)		143531	10.0000	9.6102	
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		664058	10.0000	9.9519	

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
31 Chloroform		83	4.347	4.347 (0.783)	598368	10.0000	9.5284
33 1,1,1-Trichloroethane		97	4.549	4.549 (0.482)	472668	10.0000	9.5396
32 Cyclohexane		56	4.608	4.608 (0.488)	640662	10.0000	8.6177
34 Carbon Tetrachloride		117	4.750	4.750 (0.503)	402512	10.0000	9.7057
\$ 38 1,2-Dichloroethane-d4		65	4.975	4.975 (0.896)	253414	10.0000	9.8297
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)	1523428	10.0000	10.0829
37 Benzene		78	5.022	5.022 (0.532)	1403471	10.0000	9.6929
39 1,2-Dichloroethane		62	5.069	5.069 (0.913)	294673	10.0000	9.8653
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)	922467	5.00000	
42 Trichloroethene		95	5.874	5.874 (0.623)	354875	10.0000	9.3770
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)	455580	10.0000	10.1417
43 Methylcyclohexane		83	6.099	6.099 (0.646)	743831	10.0000	9.3278
45 1,2-Dichloropropane		63	6.170	6.170 (0.654)	327234	10.0000	9.8961
49 Bromodichloromethane		83	6.560	6.560 (0.695)	360578	10.0000	10.1806
50 cis-1,3-Dichloropropene		75	7.152	7.152 (0.758)	466297	10.0000	10.2511
51 4-Methyl-2-pentanone		43	7.400	7.400 (0.784)	1848633	100.000	103.1374
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)	1378915	10.0000	10.0347
53 Toluene		91	7.590	7.590 (0.804)	1453197	10.0000	9.6660
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)	350140	10.0000	10.5496
55 trans-1,3-Dichloropropene		75	7.933	7.933 (0.841)	346407	10.0000	10.2820
56 1,1,2-Trichloroethane		97	8.169	8.169 (0.866)	186736	10.0000	9.7515
57 Tetrachloroethene		164	8.311	8.311 (0.881)	294669	10.0000	9.3065
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)	777324	100.000	107.1573
60 2-Hexanone		43	8.548	8.548 (0.906)	1307355	100.000	103.7603
61 Dibromochloromethane		129	8.690	8.690 (0.921)	221787	10.0000	10.1088
62 1,2-Dibromoethane		107	8.820	8.820 (0.935)	182820	10.0000	9.9922
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)	824868	5.00000	
64 Chlorobenzene		112	9.471	9.471 (1.004)	985559	10.0000	9.5943
65 Ethylbenzene		91	9.625	9.625 (1.020)	1672735	10.0000	9.4732
67 m+p-Xylenes		106	9.755	9.755 (1.034)	694081	10.0000	9.7082
68 o-Xylene		106	10.181	10.181 (1.079)	690253	10.0000	9.8154
69 Styrene		104	10.193	10.193 (1.080)	1104331	10.0000	10.0194
70 Bromoform		173	10.370	10.370 (0.888)	125118	10.0000	10.6036
71 Isopropylbenzene		105	10.548	10.548 (1.118)	1726319	10.0000	9.5641
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)	239714	10.0000	10.2825
74 1,1,2,2-Tetrachloroethane		83	10.856	10.856 (1.150)	216009	10.0000	10.2361
83 1,3-Dichlorobenzene		146	11.613	11.613 (0.995)	849645	10.0000	9.5053
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)	455169	5.00000	(Q)
86 1,4-Dichlorobenzene		146	11.684	11.684 (1.001)	844058	10.0000	9.4469
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)	502751	10.0000	9.7923
89 1,2-Dichlorobenzene		146	11.968	11.968 (1.025)	716963	10.0000	9.6433
90 1,2-Dibromo-3-chloropropane		75	12.548	12.548 (1.075)	30653	10.0000	10.4277
91 1,2,4-Trichlorobenzene		180	13.116	13.116 (1.124)	516328	10.0000	9.9845
94 1,2,3-Trichlorobenzene		180	13.447	13.447 (1.152)	388708	10.0000	9.8273

QC Flag Legend

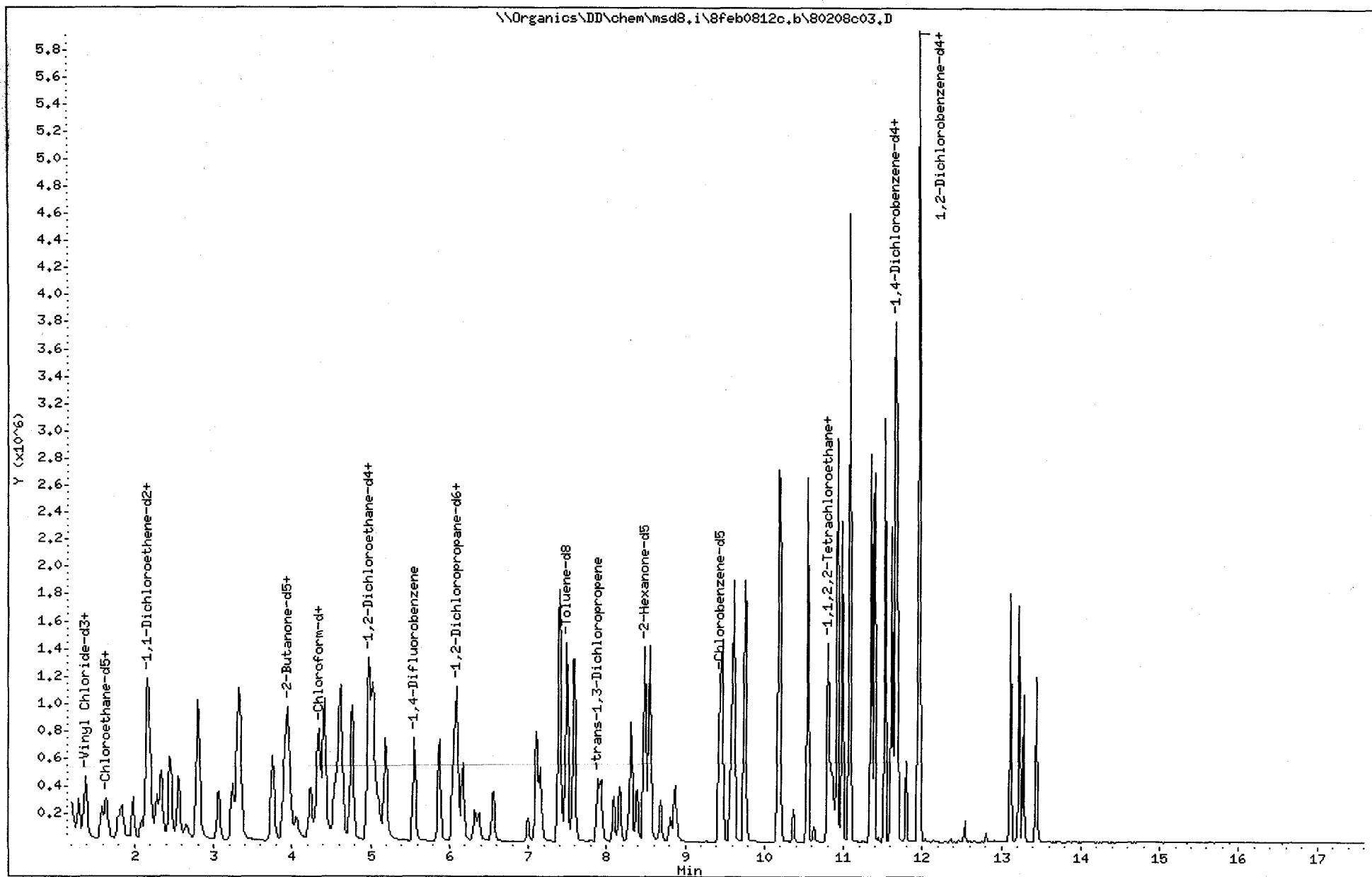
Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c03.D
Date : 08-FEB-2012 17:50
Client ID: VSTD010LU
Sample Info: 8feb0812c.b, VSTD010LU
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JG
Column diameter: 0.18

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Shealy Environmental Services, Inc.

Data file : \\Organics\\DD\\chem\\msd8.i\\8feb0812c.b\\80208c02.D
 Lab Smp Id: VSTD020LU Client Smp ID: VSTD020LU
 Inj Date : 08-FEB-2012 17:29
 Operator : JJG Inst ID: msd8.i
 Smp Info : 8feb0812c.b, VSTD020LU
 Misc Info :
 Comment :
 Method : \\Organics\\DD\\chem\\msd8.i\\8feb0812c.b\\TRACE-8.m
 Meth Date : 11-Feb-2012 14:58 msd8.i Quant Type: ISTD
 Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
 Als bottle: 4 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14
 Processing Host: VOA-LBUTFLIOSKI

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)	922912	20.0000	21.7823(A)		
2 Chloromethane	50	1.295	1.295 (0.233)	992379	20.0000	20.3126(A)		
\$ 3 Vinyl Chloride-d3	65	1.377	1.377 (0.248)	800625	20.0000	19.0351		
4 Vinyl Chloride	62	1.377	1.377 (0.248)	1001652	20.0000	20.7374(A)		
5 Bromomethane	94	1.579	1.579 (0.284)	499282	20.0000	18.1063		
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)	533835	20.0000	16.2326		
7 Chloroethane	64	1.650	1.650 (0.297)	465899	20.0000	18.3371		
8 Trichlorodifluoromethane	101	1.827	1.827 (0.329)	1115211	20.0000	20.9119(A)		
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)	1512409	20.0000	19.7610		
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)	792902	20.0000	21.0851(A)		
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.182	2.182 (0.393)	793294	20.0000	20.9807(A)		
14 Acetone	43	2.194	2.194 (0.395)	829079	200.000	210.1822(A)		
15 Carbon Disulfide	76	2.324	2.324 (0.418)	2389612	20.0000	21.1968(A)		
16 Methyl Acetate	43	2.786	2.786 (0.502)	259767	20.0000	21.3210(A)		
17 Methylene Chloride	84	2.549	2.549 (0.459)	754388	20.0000	18.8809		
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)	1485106	20.0000	22.0821(A)		
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)	866322	20.0000	20.7591(A)		
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)	1527338	20.0000	21.1662(A)		
\$ 25 2-Butanone-d5	46	3.886	3.886 (0.700)	1578766	200.000	201.0052(A)		
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)	905143	20.0000	21.3370(AQ)		
28 2-Butanone	43	3.969	3.969 (0.715)	1486573	200.000	206.4002(A)		
29 Bromochloromethane	128	4.229	4.229 (0.761)	336325	20.0000	21.7470(A)		
\$ 30 Chloroform-d	84	4.312	4.312 (0.776)	1332056	20.0000	19.2786		

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
31 Chloroform	83	4.347	4.347 (0.783)	1355996	20.0000	20.8528(A)	
33 1,1,1-Trichloroethane	97	4.549	4.549 (0.482)	1105758	20.0000	21.6036(A)	
32 Cyclohexane	56	4.596	4.596 (0.487)	1552685	20.0000	20.2181(AQ)	
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)	987101	20.0000	23.0411(A)	
\$ 38 1,2-Dichloroethane-d4	65	4.963	4.963 (0.893)	516885	20.0000	19.3623	
\$ 36 Benzene-d6	84	4.975	4.975 (0.527)	3081335	20.0000	19.7423	
37 Benzene	78	5.022	5.022 (0.532)	3256797	20.0000	21.7737(A)	
39 1,2-Dichloroethane	62	5.057	5.057 (0.911)	657694	20.0000	21.2642(A)	
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)	955207	5.00000		
42 Trichloroethene	95	5.862	5.862 (0.621)	850326	20.0000	21.7505(A)	
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)	945218	20.0000	20.3690(A)	
43 Methylcyclohexane	83	6.087	6.087 (0.645)	1787673	20.0000	21.7014(A)	
45 1,2-Dichloropropane	63	6.158	6.158 (0.653)	760374	20.0000	22.2600(A)	
49 Bromodichloromethane	83	6.548	6.548 (0.694)	845843	20.0000	23.1184(A)	
50 cis-1,3-Dichloropropene	75	7.152	7.152 (0.758)	1089759	20.0000	23.1916(A)	
51 4-Methyl-2-pentanone	43	7.389	7.389 (0.783)	3875514	200.000	209.3083(A)	
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)	2822929	20.0000	19.8866	
53 Toluene	91	7.578	7.578 (0.803)	3379955	20.0000	21.7633(A)	
\$ 54 trans-1,3-Dichloropropene-d4	79	7.886	7.886 (0.836)	722726	20.0000	21.0796(A)	
55 trans-1,3-Dichloropropene	75	7.933	7.933 (0.841)	822629	20.0000	23.6367(A)	
56 1,1,2-Trichloroethane	97	8.169	8.169 (0.866)	428260	20.0000	21.6493(A)	
57 Tetrachloroethene	164	8.311	8.311 (0.881)	710192	20.0000	21.7130(A)	
\$ 58 2-Hexanone-d5	63	8.477	8.477 (0.898)	1497740	200.000	199.8700	
60 2-Hexanone	43	8.548	8.548 (0.906)	2648548	200.000	203.4872(A)	
61 Dibromochloromethane	129	8.690	8.690 (0.921)	529687	20.0000	23.3710(A)	
62 1,2-Dibromoethane	107	8.820	8.820 (0.935)	417696	20.0000	22.0999(A)	
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)	852105	5.00000		
64 Chlorobenzene	112	9.471	9.471 (1.004)	2271679	20.0000	21.4077(A)	
65 Ethylbenzene	91	9.613	9.613 (1.019)	3932965	20.0000	21.5617(A)	
67 m+p-Xylenes	106	9.755	9.755 (1.034)	1614255	20.0000	21.8572(A)	
68 o-Xylene	106	10.181	10.181 (1.079)	1587528	20.0000	21.8532(A)	
69 Styrene	104	10.193	10.193 (1.080)	2517044	20.0000	22.1067(A)	
70 Bromoform	173	10.370	10.370 (0.888)	303120	20.0000	24.7687(A)	
71 Isopropylbenzene	105	10.548	10.548 (1.118)	3996345	20.0000	21.4328(A)	
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)	488333	20.0000	20.2775(A)	
74 1,1,2,2-Tetrachloroethane	83	10.856	10.856 (1.150)	497462	20.0000	22.8200(A)	
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.995)	1948022	20.0000	21.0125(A)	
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672 (1.000)	472085	5.00000	(Q)	
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.001)	1931757	20.0000	20.8460(A)	
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.024)	1024702	20.0000	19.2434	
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.025)	1644308	20.0000	21.3239(A)	
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.075)	74175	20.0000	24.3292(A)	
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.124)	1174434	20.0000	21.8970(A)	
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.152)	854066	20.0000	20.8188(A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

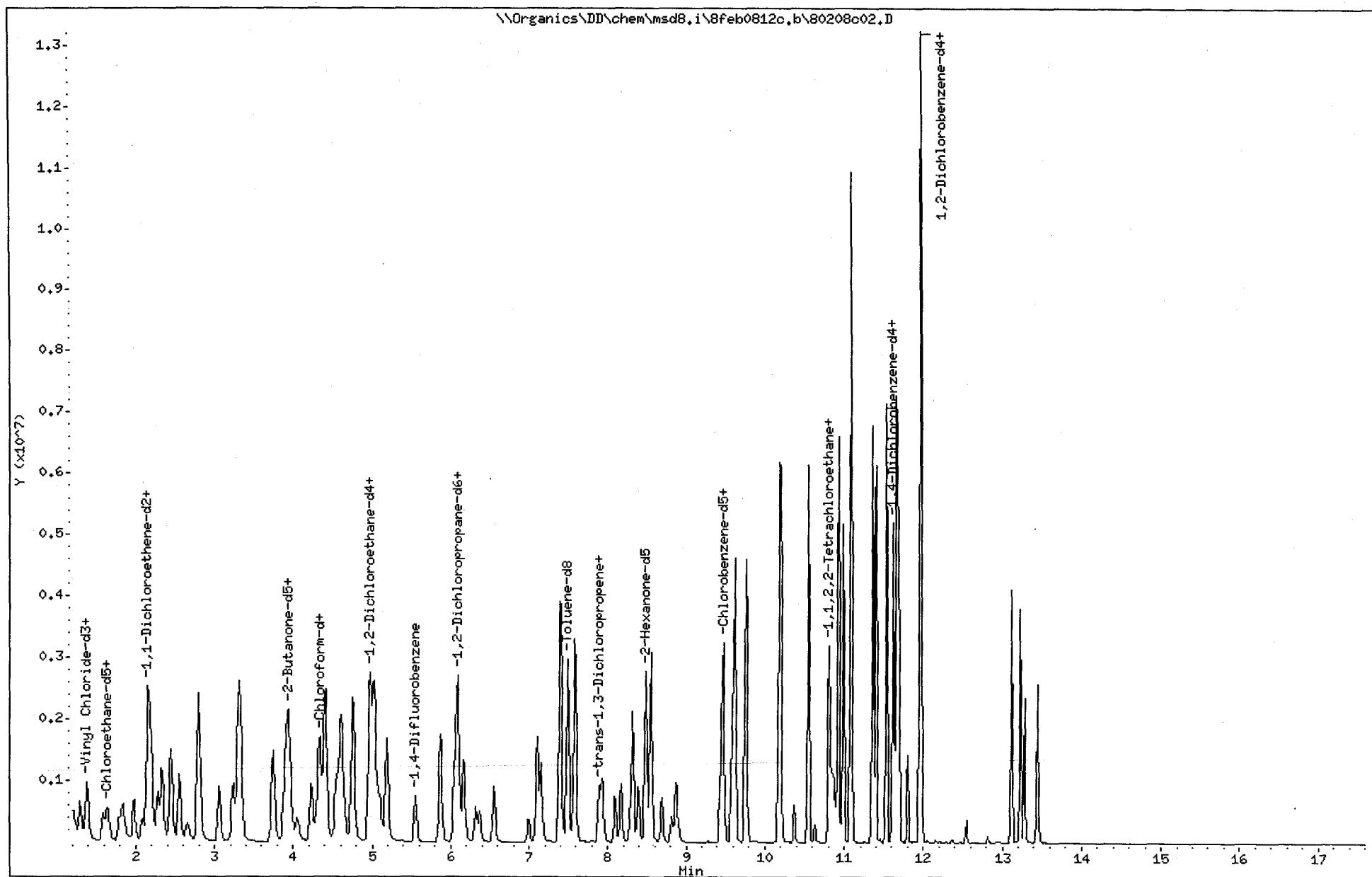
Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c02.D
Date : 08-FEB-2012 17:29
Client ID: VSTD020LU
Sample Info: 8feb0812c.b, VSTD020LU
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

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6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035
 Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6
 Instrument ID: MSD8 Calibration Date(s): 02/10/2012 02/10/2012
 Heated Purge: (Y/N) N Calibration Time(s): 1348 1516
 Purge Volume: 25.0 (mL)
 GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID:	RRF 0.5 = 80210c06	RRF 1.0 = 80210c05					
COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	RRF	%RSD
Dichlorodifluoromethane	0.2752	0.3577	0.3490	0.3411	0.3493	0.3345	10.1
Chloromethane	0.4959	0.4735	0.4645	0.4504	0.4232	0.4615	5.9
Vinyl chloride	0.3278	0.3316	0.3518	0.3429	0.3343	0.3377	2.9
Bromomethane	0.1724	0.1768	0.1567	0.1532	0.1442	0.1607	8.5
Chloroethane	0.1941	0.1972	0.1738	0.1707	0.1760	0.1823	6.8
Trichlorofluoromethane	0.3032	0.4060	0.4092	0.3955	0.4033	0.3835	11.8
1,1-Dichloroethene	0.2756	0.2864	0.2719	0.2660	0.2619	0.2723	3.5
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2149	0.2840	0.2775	0.2648	0.2670	0.2616	10.4
Acetone	0.0248	0.0225	0.0380	0.0163	0.0306	0.0265	31.1
Carbon Disulfide	0.8636	0.9196	0.8959	0.8548	0.8633	0.8794	3.1
Methyl acetate	0.1531	0.1176	0.1253	0.1154	0.1149	0.1253	12.9
Methylene chloride	0.3694	0.3024	0.2771	0.2604	0.2617	0.2942	15.4
trans-1,2-Dichloroethene	0.3215	0.3243	0.3070	0.2945	0.2864	0.3067	5.4
Methyl tert-butyl ether	0.5414	0.5303	0.5427	0.4994	0.5088	0.5245	3.7
1,1-Dichloroethane	0.6050	0.5840	0.5742	0.5529	0.5388	0.5710	4.6
cis-1,2-Dichloroethene	0.3406	0.3190	0.3144	0.3021	0.2948	0.3142	5.6
2-Butanone	0.0604	0.0593	0.0622	0.0406	0.0589	0.0563	15.7
Bromochloromethane	0.1139	0.1035	0.1068	0.1021	0.1017	0.1056	4.8
Chloroform	0.5108	0.5002	0.4927	0.4794	0.4662	0.4899	3.6
1,1,1-Trichloroethane	0.4135	0.4569	0.4384	0.4501	0.4307	0.4379	3.9
Cyclohexane	0.6411	0.7777	0.6888	0.6952	0.6795	0.6964	7.2
Carbon tetrachloride	0.2916	0.3415	0.3527	0.3703	0.3720	0.3456	9.5
Benzene	1.3133	1.2612	1.2263	1.2319	1.1830	1.2431	3.9
1,2-Dichloroethane	0.2784	0.2746	0.2623	0.2556	0.2596	0.2661	3.7
Trichloroethene	0.3434	0.3394	0.3184	0.3200	0.3170	0.3276	3.9
Methylcyclohexane	0.4760	0.6572	0.6469	0.6530	0.6549	0.6176	12.8

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035
 Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6
 Instrument ID: MSD8 Calibration Date(s): 02/10/2012 02/10/2012
 Heated Purge: (Y/N) N Calibration Time(s): 1348 1516
 Purge Volume: 25.0 (mL)
 GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID:	RRF 0.5 =	80210c06	RRF 1.0 =	80210c05			
RRF 5.0 =	RRF 10 =	80210c03	RRF 20 =	80210c02			
COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	RRF	%RSD
1,2-Dichloropropane	0.3103	0.3055	0.2949	0.2973	0.2920	0.3000	2.5
Bromodichloromethane	0.3187	0.3080	0.3195	0.3327	0.3291	0.3216	3.0
cis-1,3-Dichloropropene	0.4050	0.3844	0.3936	0.4221	0.4134	0.4037	3.7
4-Methyl-2-pentanone	0.1767	0.1791	0.1820	0.1693	0.1748	0.1764	2.7
Toluene	1.3599	1.3197	1.2592	1.2798	1.2314	1.2900	3.9
trans-1,3-Dichloropropene	0.2875	0.2858	0.3020	0.3245	0.3246	0.3049	6.2
1,1,2-Trichloroethane	0.1790	0.1654	0.1625	0.1692	0.1622	0.1676	4.2
Tetrachloroethene	0.2452	0.2483	0.2432	0.2393	0.2412	0.2435	1.4
2-Hexanone	0.1263	0.1234	0.1278	0.1245	0.1257	0.1255	1.4
Dibromochloromethane	0.1731	0.1662	0.1806	0.1886	0.1949	0.1807	6.4
1,2-Dibromoethane	0.1549	0.1513	0.1511	0.1568	0.1562	0.1541	1.8
Chlorobenzene	0.8942	0.8325	0.8119	0.8164	0.7887	0.8287	4.8
Ethylbenzene	1.5684	1.5230	1.5009	1.4750	1.4253	1.4985	3.6
o-Xylene	0.6170	0.5747	0.5829	0.5486	0.5298	0.5706	5.9
m,p-Xylene	0.5976	0.5988	0.5905	0.5801	0.5643	0.5863	2.4
Styrene	0.9167	0.9183	0.9316	0.9115	0.8705	0.9097	2.5
Bromoform	0.1644	0.1693	0.1879	0.2139	0.2158	0.1903	12.7
Isopropylbenzene	1.5294	1.4601	1.4812	1.3794	1.3475	1.4395	5.2
1,1,2,2-Tetrachloroethane	0.1685	0.1737	0.1802	0.1606	0.1725	0.1711	4.2
1,3-Dichlorobenzene	1.3740	1.2945	1.2872	1.2802	1.2459	1.2964	3.6
1,4-Dichlorobenzene	1.3676	1.2867	1.2416	1.2427	1.2104	1.2698	4.8
1,2-Dichlorobenzene	1.0830	1.0538	1.0101	0.9950	0.9344	1.0152	5.6
1,2-Dibromo-3-chloropropane	0.0344	0.0376	0.0474	0.0451	0.0502	0.0430	15.5
1,2,4-Trichlorobenzene	0.6262	0.6370	0.5635	0.5917	0.5423	0.5921	6.8
1,2,3-Trichlorobenzene	0.4616	0.4936	0.3964	0.4429	0.3491	0.4287	13.2

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8 Calibration Date(s): 02/10/2012 02/10/2012

Heated Purge: (Y/N) N Calibration Time(s): 1348 1516

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID:	<u>RRF 0.5 = 80210c06</u>	<u>RRF 1.0 = 80210c05</u>					
<u>RRF 5.0 = 80210c04</u>	<u>RRF 10 = 80210c03</u>	<u>RRF 20 = 80210c02</u>					
COMPOUND							
Vinyl Chloride-d3	0.2438	0.2162	0.2317	0.2345	0.2345	0.2321	4.3
Chloroethane-d5	0.1946	0.1685	0.1732	0.1691	0.1749	0.1760	6.1
1,1-Dichloroethene-d2	0.5619	0.5096	0.5557	0.5474	0.5584	0.5466	3.9
2-Butanone-d5	0.0701	0.0665	0.0859	0.0634	0.0785	0.0729	12.6
Chloroform-d	0.4914	0.4570	0.4725	0.4658	0.4694	0.4712	2.7
1,2-Dichloroethane-d4	0.2087	0.1775	0.1825	0.1825	0.1923	0.1887	6.6
Benzene-d6	1.1733	1.1392	1.1100	1.1621	1.1313	1.1432	2.2
1,2-Dichloropropane-d6	0.3314	0.3448	0.3351	0.3467	0.3451	0.3406	2.0
Toluene-d8	1.0199	1.0220	0.9894	1.0226	1.0669	1.0242	2.7
trans-1,3-Dichloropropene-d4	0.2578	0.2490	0.2646	0.2859	0.2875	0.2690	6.4
2-Hexanone-d5	0.0661	0.0679	0.0730	0.0689	0.0682	0.0688	3.7
1,1,2,2-Tetrachloroethane-d2	0.1755	0.1634	0.1709	0.1634	0.1761	0.1699	3.7
1,2-Dichlorobenzene-d4	0.6488	0.6573	0.6202	0.6214	0.6143	0.6324	3.0

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c06.D
 Lab Smp Id: VSTD0.5MK Client Smp ID: VSTD0.5MK
 Inj Date : 10-FEB-2012 15:16
 Operator : BM Inst ID: msd8.i
 Smp Info : 8feb1012c.b, VSTD0.5MK
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb1012c.b\TRACE-8.m
 Meth Date : 11-Feb-2012 13:51 dbl Quant Type: ISTD
 Cal Date : 10-FEB-2012 13:48 Cal File: 80210c02.D
 Als bottle: 9 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable, COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF CD3E6

Name	Value	Description	<i>[Signature]</i>	Signature
DF	1.000	Dilution Factor	<i>[Signature]</i>	<i>02/18/12</i>
Vo	25.000	Purge Volume in ML		Date
Cpnd Variable		Local Compound Variable		

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		19713	0.50000	0.4113(a)
2 Chloromethane	50	1.294	1.294 (0.233)		35528	0.50000	0.5373
\$ 3 Vinyl Chloride-d3	65	1.365	1.365 (0.246)		17463	0.50000	0.5250
4 Vinyl Chloride	62	1.365	1.365 (0.246)		23485	0.50000	0.4854(a)
5 Bromomethane	94	1.578	1.578 (0.284)		12352	0.50000	0.5366
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)		13940	0.50000	0.5526
7 Chloroethane	64	1.649	1.649 (0.297)		13904	0.50000	0.5322
8 Trichlorodifluoromethane	101	1.791	1.791 (0.323)		21721	0.50000	0.3953(a)
\$ 12 1,1-Dichloroethene-d2	63	2.146	2.146 (0.386)		40252	0.50000	0.5140
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		19743	0.50000	0.5059(M)
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.194	2.194 (0.395)		15393	0.50000	0.4106(a)
14 Acetone	43	2.206	2.206 (0.397)		17785	5.00000	4.6902(a)
15 Carbon Disulfide	76	2.336	2.336 (0.421)		61864	0.50000	0.4909(a)
16 Methyl Acetate	43	2.785	2.785 (0.502)		10971	0.50000	0.6112
17 Methylene Chloride	84	2.549	2.549 (0.459)		26465	0.50000	0.6278
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		38786	0.50000	0.5161
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)		23028	0.50000	0.5239
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		43342	0.50000	0.5298
\$ 25 2-Butanone-d5	46	3.910	3.910 (0.704)		50250	5.00000	4.8122
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)		24396	0.50000	0.5420
28 2-Butanone	43	3.981	3.981 (0.717)		43243	5.00000	5.3638
29 Bromochloromethane	128	4.241	4.241 (0.764)		8158	0.50000	0.5391
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		35202	0.50000	0.5214
31 Chloroform	83	4.347	4.347 (0.783)		36595	0.50000	0.5214

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/L)	ON-COL (ug/L)
33 1,1,1-Trichloroethane		97	4.548	4.548 (0.482)		27181	0.50000	0.4721(a)
32 Cyclohexane		56	4.608	4.608 (0.488)		42143	0.50000	0.4602(aM) DUB 2112
34 Carbon Tetrachloride		117	4.750	4.750 (0.503)		19169	0.50000	0.4218(a)
\$ 38 1,2-Dichloroethane-d4		65	4.974	4.974 (0.896)		14954	0.50000	0.5531(Q)
\$ 36 Benzene-d6		84	4.974	4.974 (0.527)		77124	0.50000	0.5131
37 Benzene		78	5.022	5.022 (0.532)		86329	0.50000	0.5282
39 1,2-Dichloroethane		62	5.069	5.069 (0.913)		19941	0.50000	0.5230
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)		716364	5.00000	
42 Trichloroethene		95	5.862	5.862 (0.621)		22573	0.50000	0.5240
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		21783	0.50000	0.4864(a)
43 Methylcyclohexane		83	6.087	6.087 (0.645)		31293	0.50000	0.3853(a)
45 1,2-Dichloropropane		63	6.170	6.170 (0.654)		20399	0.50000	0.5171
49 Bromodichloromethane		83	6.560	6.560 (0.695)		20953	0.50000	0.4955(a)
50 cis-1,3-Dichloropropene		75	7.164	7.164 (0.759)		26624	0.50000	0.5016
51 4-Methyl-2-pentanone		43	7.400	7.400 (0.784)		116122	5.00000	5.0077
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		67045	0.50000	0.4979(a)
53 Toluene		91	7.578	7.578 (0.803)		89391	0.50000	0.5270
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)		16946	0.50000	0.4792(a)
55 trans-1,3-Dichloropropene		75	7.933	7.933 (0.841)		18901	0.50000	0.4715(a)
56 1,1,2-Trichloroethane		97	8.169	8.169 (0.866)		11768	0.50000	0.5339(M) DUB 2112
57 Tetrachloroethene		164	8.311	8.311 (0.881)		16121	0.50000	0.5036
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)		43473	5.00000	4.8050
60 2-Hexanone		43	8.548	8.548 (0.906)		83010	5.00000	5.0300
61 Dibromochloromethane		129	8.690	8.690 (0.921)		11378	0.50000	0.4790(a)
62 1,2-Dibromoethane		107	8.820	8.820 (0.935)		10183	0.50000	0.5027
* 63 Chlorobenzene-d5		117	9.435	9.435 (1.000)		657352	5.00000	
64 Chlorobenzene		112	9.471	9.471 (1.004)		58782	0.50000	0.5395
65 Ethylbenzene		91	9.625	9.625 (1.020)		103101	0.50000	0.5233
67 m+p-Xylenes		106	9.755	9.755 (1.034)		39282	0.50000	0.5096
68 o-Xylene		106	10.181	10.181 (1.079)		40558	0.50000	0.5406
69 Styrene		104	10.205	10.205 (1.082)		60259	0.50000	0.5038
70 Bromoform		173	10.370	10.370 (0.888)		5355	0.50000	0.4321(a)
71 Isopropylbenzene		105	10.548	10.548 (1.118)		100533	0.50000	0.5312
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		11539	0.50000	0.5166
74 1,1,2,2-Tetrachloroethane		83	10.855	10.855 (1.150)		11079	0.50000	0.4924(a)
83 1,3-Dichlorobenzene		146	11.613	11.613 (0.995)		44743	0.50000	0.5299
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)		325633	5.00000	
86 1,4-Dichlorobenzene		146	11.684	11.684 (1.001)		44533	0.50000	0.5385
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		21128	0.50000	0.5129
89 1,2-Dichlorobenzene		146	11.968	11.968 (1.025)		35266	0.50000	0.5333
90 1,2-Dibromo-3-chloropropane		75	12.548	12.548 (1.075)		1121	0.50000	0.4006(a)
91 1,2,4-Trichlorobenzene		180	13.116	13.116 (1.124)		20390	0.50000	0.5287
94 1,2,3-Trichlorobenzene		180	13.447	13.447 (1.152)		15031	0.50000	0.5383

QC Flag Legend

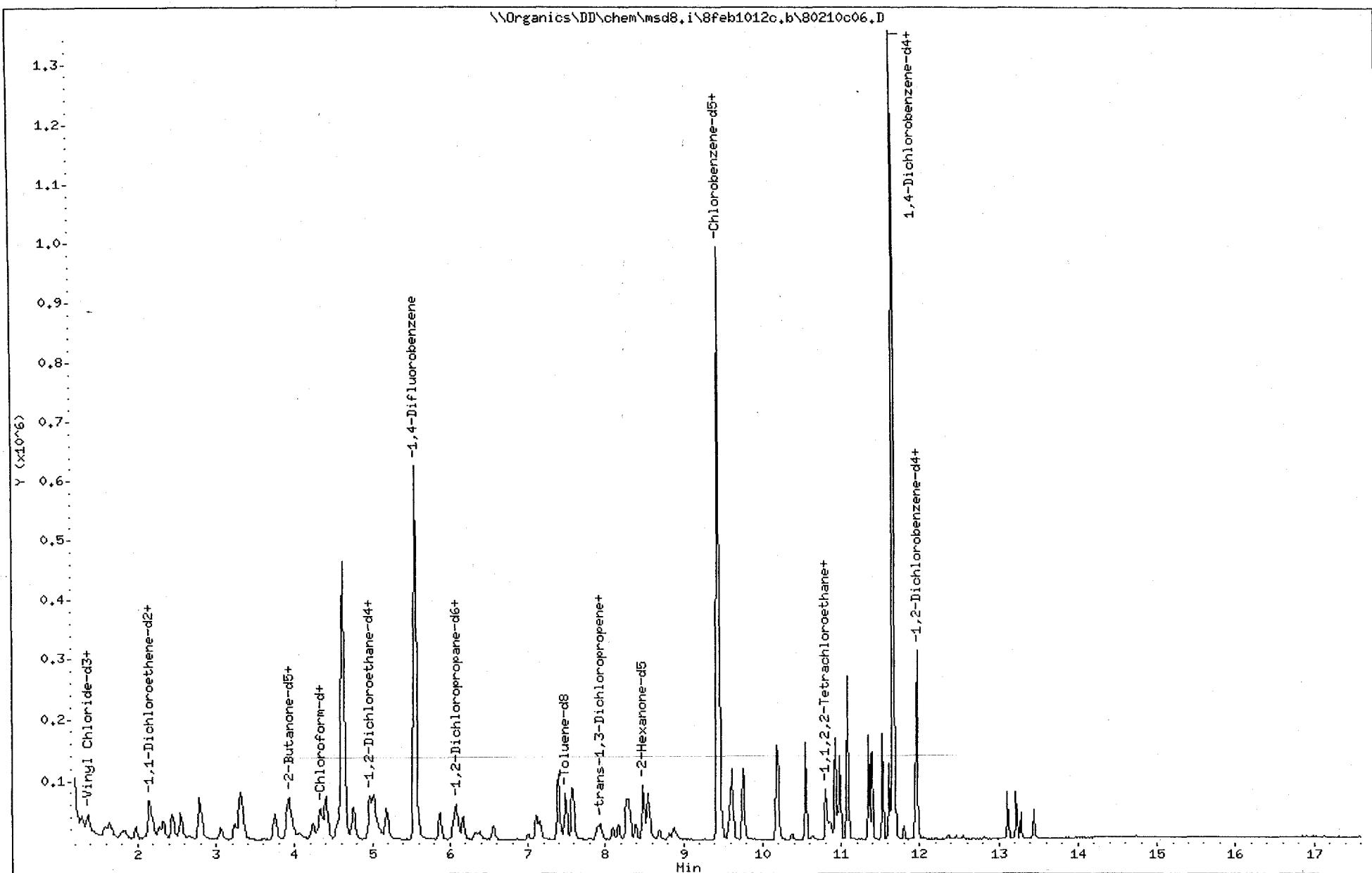
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c06.D
Date : 10-FEB-2012 15:16
Client ID: VSTD0.5MK
Sample Info: 8feb1012c.b, VSTD0.5MK
Purge Volume: 25.0
Column phase: DB-624

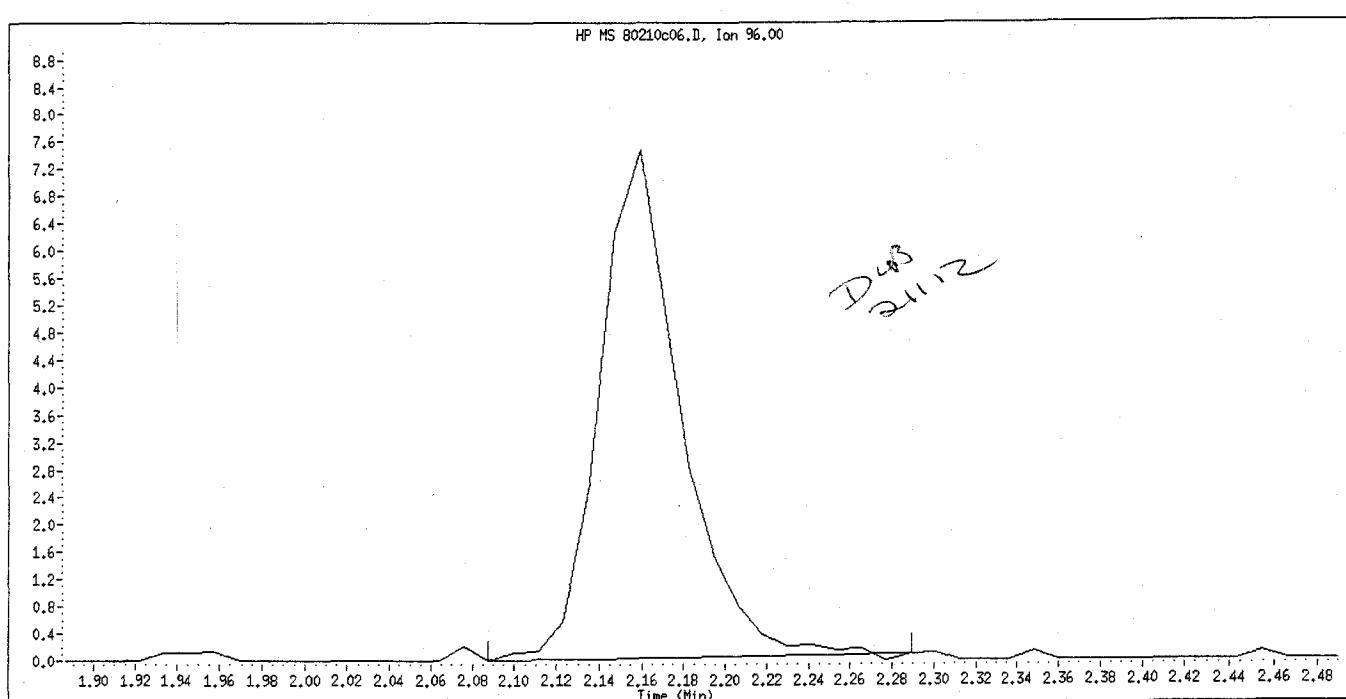
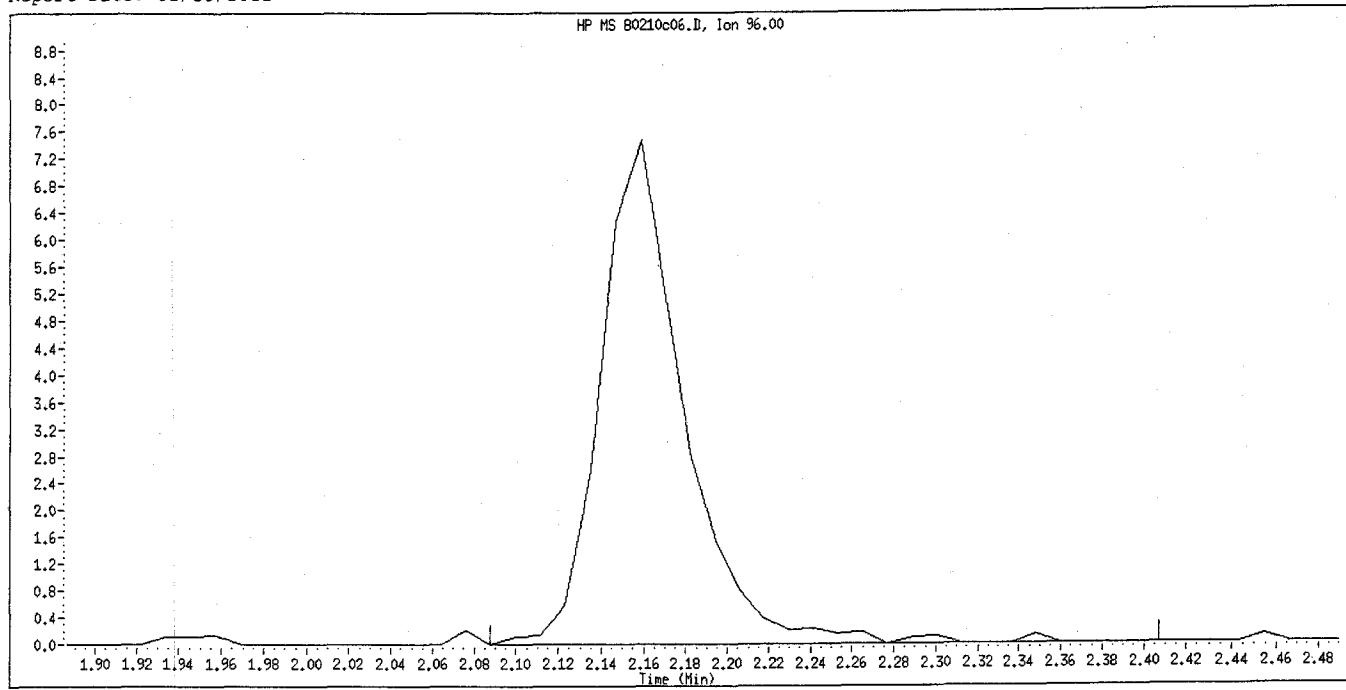
Instrument: msd8.i
Operator: BM
Column diameter: 0.18

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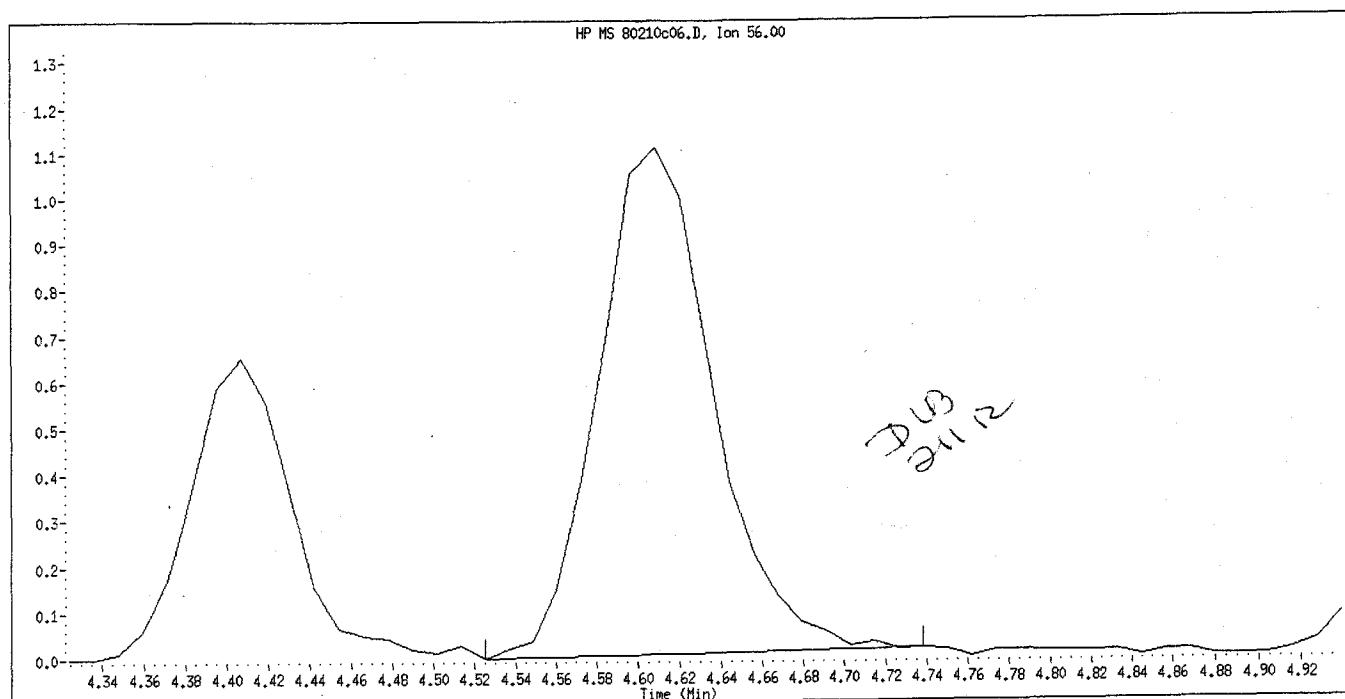
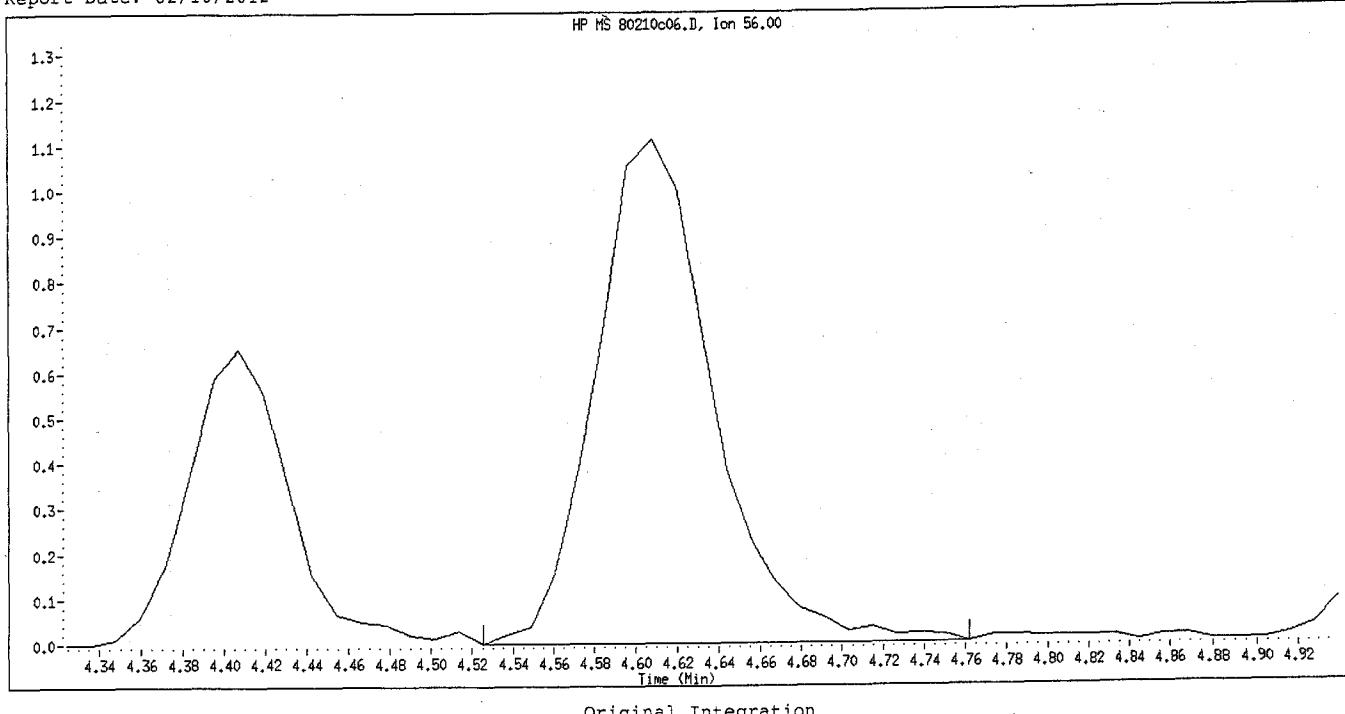
Data File Name: 80210c06.D
Inj. Date and Time: 10-FEB-2012 15:16
Instrument ID: msd8.i
Client ID: VSTD0.5MK
Compound Name: 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 02/10/2012



Manual Integration

Manually Integrated By: BM
Manual Integration Reason: Unknown

Data File Name: 80210c06.D
Inj. Date and Time: 10-FEB-2012 15:16
Instrument ID: msd8.i
Client ID: VSTD0.5MK
Compound Name: Cyclohexane
CAS #: 110-82-7
Report Date: 02/10/2012



Manual Integration

Manually Integrated By: BM
Manual Integration Reason: Unknown

Data File Name: 80210c06.D

Inj. Date and Time: 10-FEB-2012 15:16

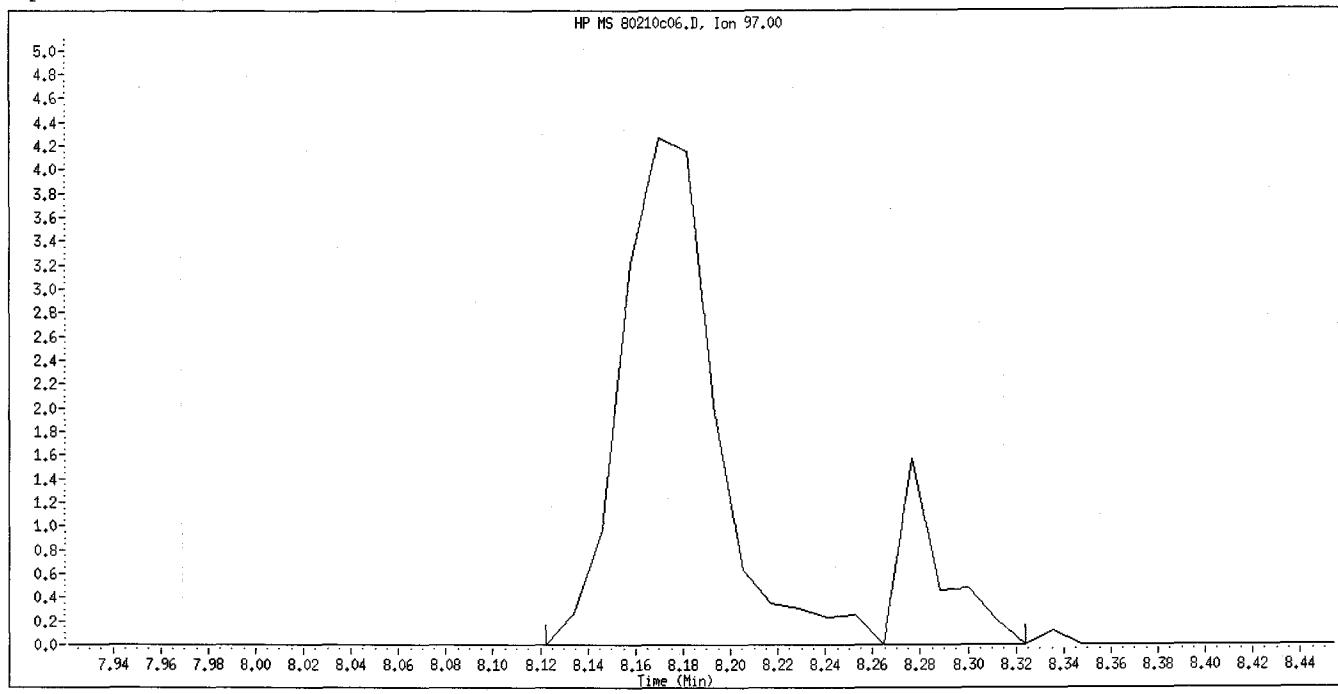
Instrument ID: msd8.i

Client ID: VSTD0.5MK

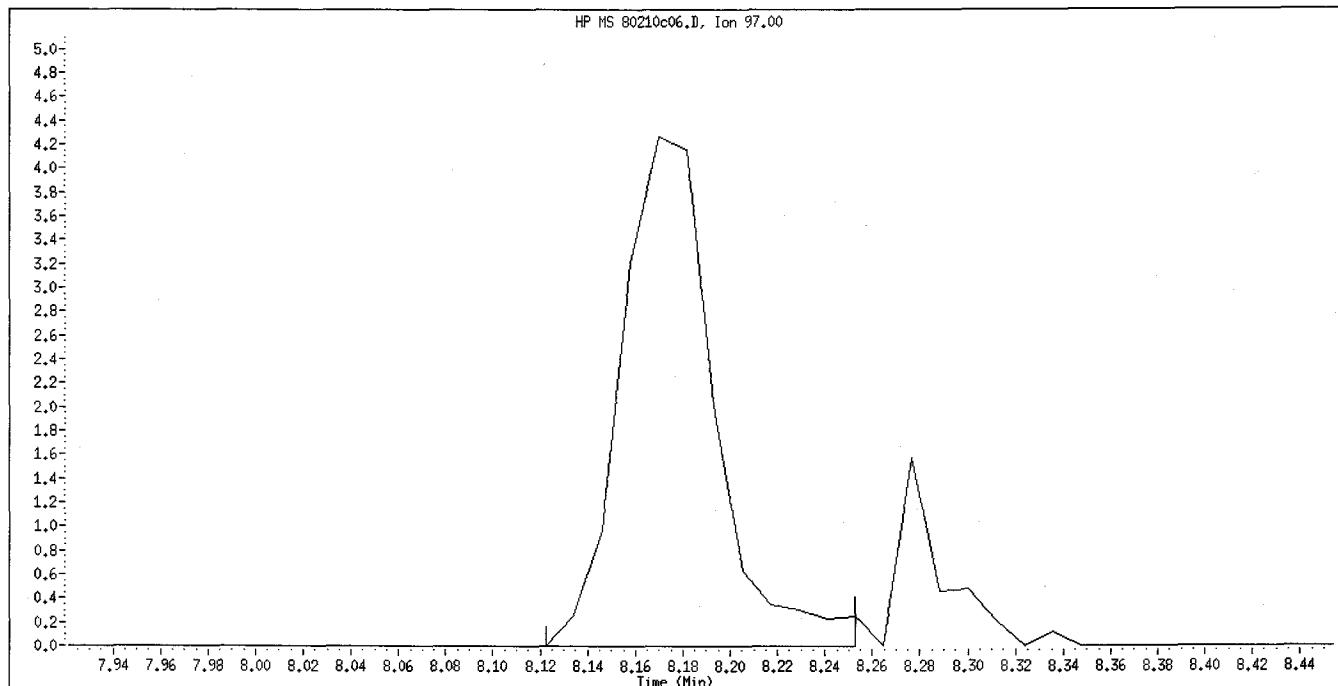
Compound Name: 1,1,2-Trichloroethane

CAS #: 79-00-5

Report Date: 02/20/2012



Original Integration



Manual Integration

Manually Integrated By: BM

Manual Integration Reason: Unknown

BM 02/20/12

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c05.D
Lab Smp Id: VSTD001MK Client Smp ID: VSTD001MK
Inj Date : 10-FEB-2012 14:54
Operator : BM Inst ID: msd8.i
Smp Info : 8feb1012c.b, VSTD001MK
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb1012c.b\TRACE-8.m
Meth Date : 20-Feb-2012 10:27 sap Quant Type: ISTD
Cal Date : 10-FEB-2012 14:54 Cal File: 80210c05.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		51781	1.00000	1.0695
2 Chloromethane	50	1.294	1.294 (0.233)		68536	1.00000	1.0259
\$ 3 Vinyl Chloride-d3	65	1.365	1.365 (0.246)		31287	1.00000	0.9311
4 Vinyl Chloride	62	1.365	1.365 (0.246)		47991	1.00000	0.9818
5 Bromomethane	94	1.590	1.578 (0.286)		25592	1.00000	1.1005
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)		24383	1.00000	0.9568
7 Chloroethane	64	1.649	1.649 (0.297)		28542	1.00000	1.0814
8 Trichlorofluoromethane	101	1.815	1.791 (0.327)		58766	1.00000	1.0587
\$ 12 1,1-Dichloroethene-d2	63	2.146	2.146 (0.386)		73757	1.00000	0.9322
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		41452	1.00000	1.0515
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.194 (0.393)		41104	1.00000	1.0854
14 Acetone	43	2.206	2.206 (0.397)		32608	10.0000	8.5118
15 Carbon Disulfide	76	2.336	2.336 (0.421)		133105	1.00000	1.0456
16 Methyl Acetate	43	2.785	2.785 (0.502)		17025	1.00000	0.9389
17 Methylene Chloride	84	2.549	2.549 (0.459)		43774	1.00000	1.0279
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		76755	1.00000	1.0109
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)		46940	1.00000	1.0572
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		84528	1.00000	1.0227
\$ 25 2-Butanone-d5	46	3.898	3.910 (0.702)		96273	10.0000	9.1259
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)		46170	1.00000	1.0153
28 2-Butanone	43	3.969	3.981 (0.715)		85803	10.0000	10.5347
29 Bromochloromethane	128	4.241	4.241 (0.764)		14981	1.00000	0.9800
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		66144	1.00000	0.9697
31 Chloroform	83	4.347	4.347 (0.783)		72400	1.00000	1.0210

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
33 1,1,1-Trichloroethane	97	4.549	4.548	(0.482)	59131	1.00000	1.0432	
32 Cyclohexane	56	4.596	4.608	(0.487)	100652	1.00000	1.1166	
34 Carbon Tetrachloride	117	4.750	4.750	(0.503)	44197	1.00000	0.9879	
\$ 38 1,2-Dichloroethane-d4	65	4.963	4.974	(0.893)	25695	1.00000	0.9407 (MH)	SAC JY
\$ 36 Benzene-d6	84	4.975	4.974	(0.527)	147446	1.00000	0.9965	BM
37 Benzene	78	5.022	5.022	(0.532)	163235	1.00000	1.0145	02/20/12
39 1,2-Dichloroethane	62	5.069	5.069	(0.913)	39746	1.00000	1.0320	
* 41 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	723727	5.00000		
42 Trichloroethene	95	5.874	5.862	(0.623)	43928	1.00000	1.0359	
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051	(0.641)	44623	1.00000	1.0121	
43 Methylcyclohexane	83	6.087	6.087	(0.645)	85062	1.00000	1.0640	
45 1,2-Dichloropropane	63	6.170	6.170	(0.654)	39543	1.00000	1.0183	
49 Bromodichloromethane	83	6.548	6.560	(0.694)	39868	1.00000	0.9577	
50 cis-1,3-Dichloropropene	75	7.152	7.164	(0.758)	49753	1.00000	0.9521	
51 4-Methyl-2-pentanone	43	7.400	7.400	(0.784)	231842	10.0000	10.1558	
\$ 52 Toluene-d8	98	7.495	7.495	(0.794)	132283	1.00000	0.9979	
53 Toluene	91	7.578	7.578	(0.803)	170814	1.00000	1.0230	
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897	(0.837)	32226	1.00000	0.9257	
55 trans-1,3-Dichloropropene	75	7.933	7.933	(0.841)	36991	1.00000	0.9374	
56 1,1,2-Trichloroethane	97	8.169	8.169	(0.866)	21405	1.00000	0.9864	
57 Tetrachloroethene	164	8.311	8.311	(0.881)	32142	1.00000	1.0200	
\$ 58 2-Hexanone-d5	63	8.489	8.489	(0.900)	87925	10.0000	9.8715	
60 2-Hexanone	43	8.548	8.548	(0.906)	159669	10.0000	9.8277	
61 Dibromochloromethane	129	8.690	8.690	(0.921)	21512	1.00000	0.9199	
62 1,2-Dibromoethane	107	8.820	8.820	(0.935)	19586	1.00000	0.9821	
* 63 Chlorobenzene-d5	117	9.436	9.435	(1.000)	647150	5.00000		
64 Chlorobenzene	112	9.471	9.471	(1.004)	107748	1.00000	1.0045	
65 Ethylbenzene	91	9.625	9.625	(1.020)	197116	1.00000	1.0163	
67 m+p-Xylenes	106	9.755	9.755	(1.034)	77505	1.00000	1.0214	
68 o-Xylene	106	10.181	10.181	(1.079)	74377	1.00000	1.0071	
69 Styrene	104	10.193	10.205	(1.080)	118851	1.00000	1.0094	
70 Bromoform	173	10.370	10.370	(0.888)	10382	1.00000	0.8896	
71 Isopropylbenzene	105	10.548	10.548	(1.118)	188983	1.00000	1.0143	
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832	(1.148)	21146	1.00000	0.9617	
74 1,1,2,2-Tetrachloroethane	83	10.855	10.855	(1.150)	22482	1.00000	1.0150	
83 1,3-Dichlorobenzene	146	11.613	11.613	(0.995)	79390	1.00000	0.9985	
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672	(1.000)	306638	5.00000		
86 1,4-Dichlorobenzene	146	11.684	11.684	(1.001)	78911	1.00000	1.0133	
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956	(1.024)	40311	1.00000	1.0393	
89 1,2-Dichlorobenzene	146	11.968	11.968	(1.025)	64626	1.00000	1.0379	
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548	(1.075)	2308	1.00000	0.8760 (Q)	
91 1,2,4-Trichlorobenzene	180	13.116	13.116	(1.124)	39068	1.00000	1.0758	
94 1,2,3-Trichlorobenzene	180	13.447	13.447	(1.152)	30270	1.00000	1.1513	

QC Flag Legend

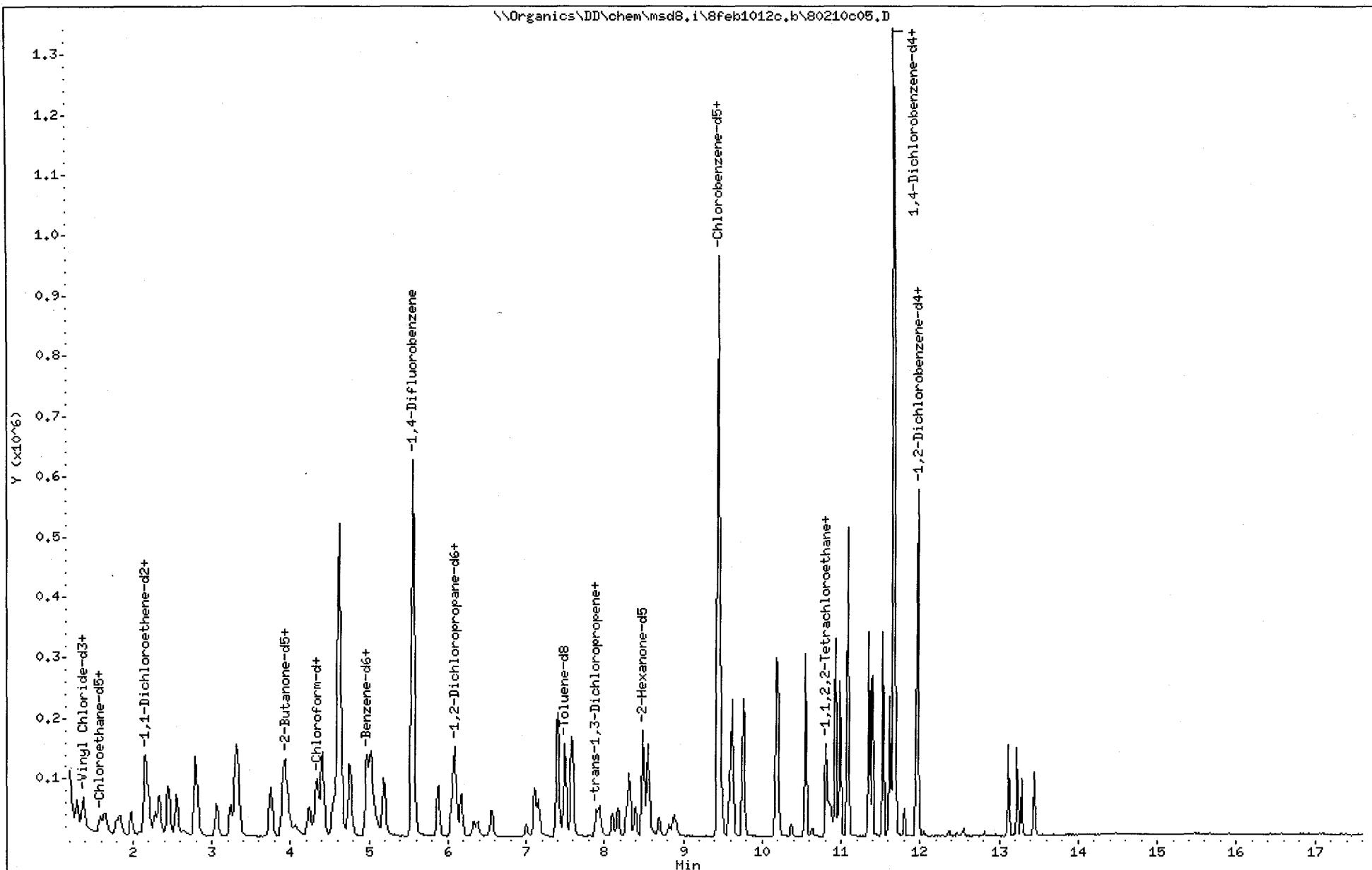
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c05.D
Date : 10-FEB-2012 14:54
Client ID: VSTD001MK
Sample Info: 8feb1012c.b, VSTD001MK
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: BM
Column diameter: 0.18

Page 3

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Inj. Date and Time: 10-FEB-2012 14:54

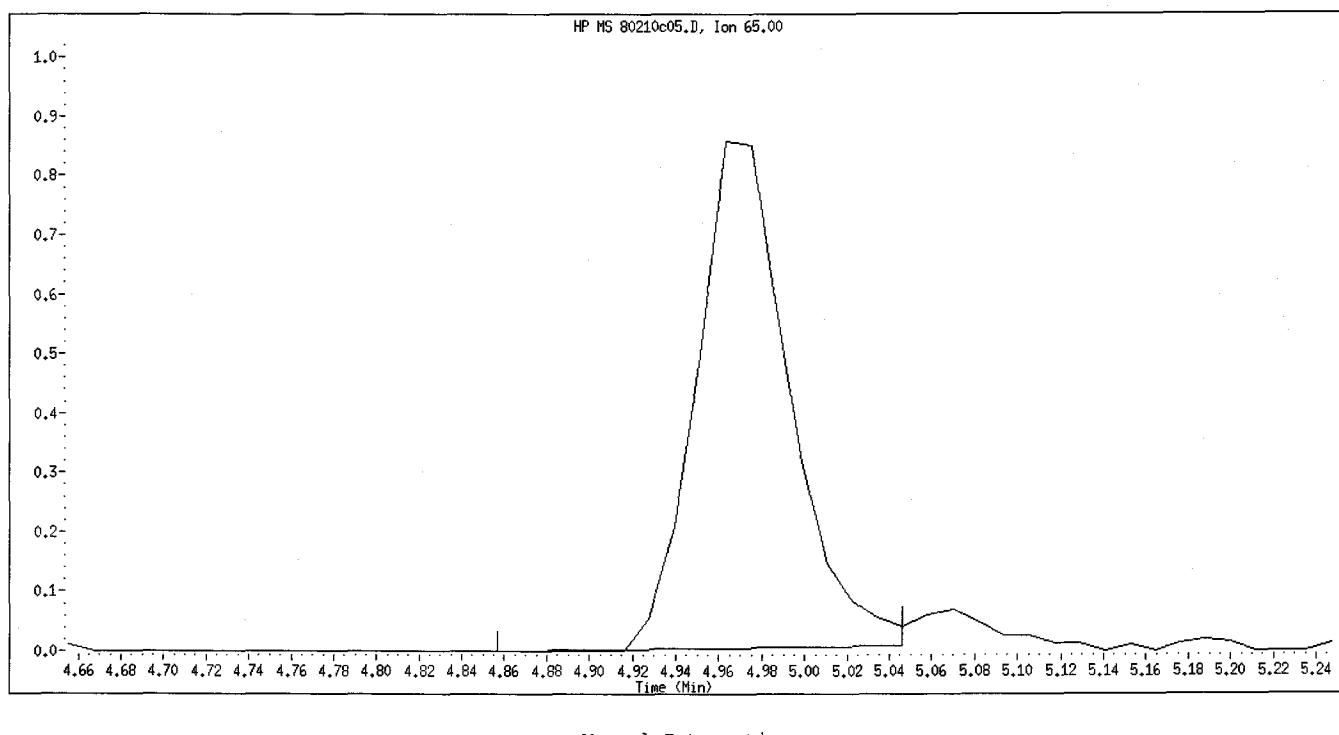
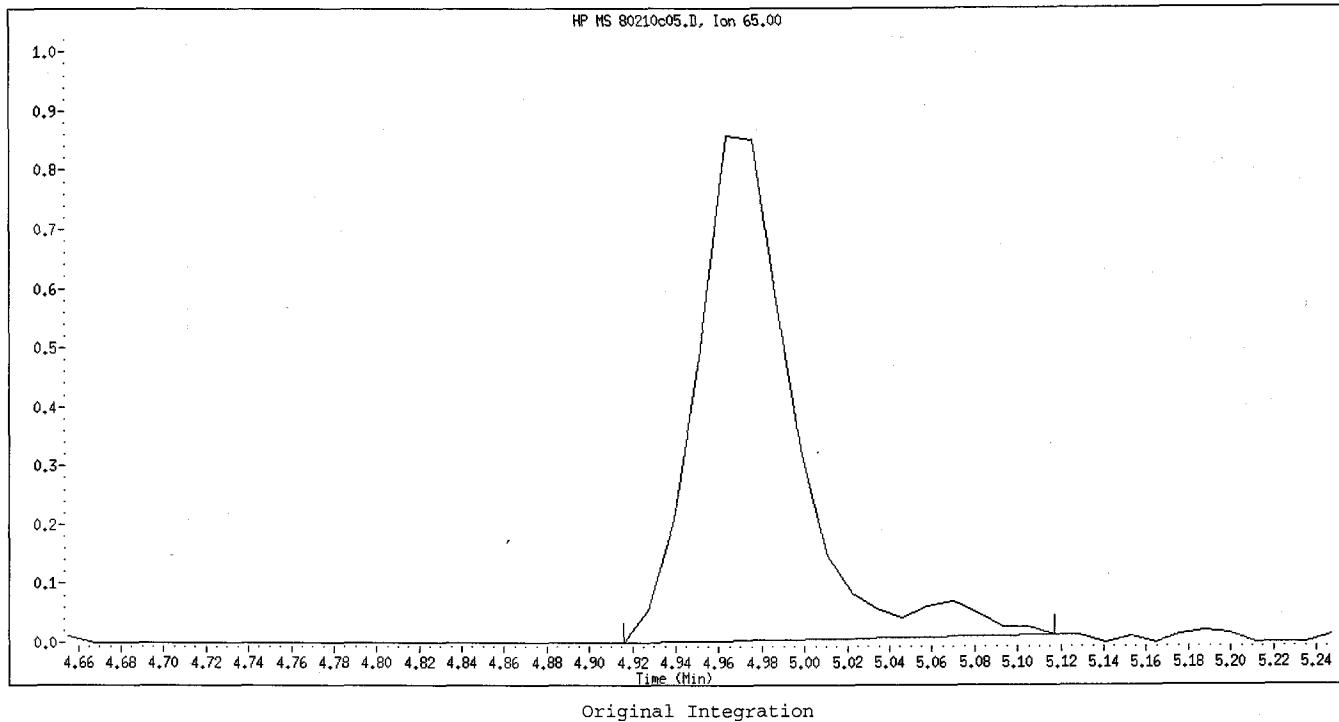
Instrument ID: msd8.i

Client ID: VSTD001MK

Compound Name: 1,2-Dichloroethane-d4

CAS #: 17060-07-0

Report Date: 02/10/2012



Manual Integration

Manually Integrated By: BM

Manual Integration Reason: Unknown

SM for BM 02/10/12

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c04.D
 Lab Smp Id: VSTD005MK Client Smp ID: VSTD005MK
 Inj Date : 10-FEB-2012 14:32
 Operator : BM Inst ID: msd8.i
 Smp Info : 8feb1012c.b, VSTD005MK
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb1012c.b\TRACE-8.m
 Meth Date : 11-Feb-2012 13:51 dbl Quant Type: ISTD
 Cal Date : 10-FEB-2012 14:32 Cal File: 80210c04.D
 Als bottle: 7 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	MASS	QUANT SIG				AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)	249608	5.00000	5.2173	
2 Chloromethane	50	1.294	1.294 (0.233)	332201	5.00000	5.0323	
\$ 3 Vinyl Chloride-d3	65	1.365	1.365 (0.246)	165735	5.00000	4.9913	
4 Vinyl Chloride	62	1.377	1.365 (0.248)	251632	5.00000	5.2095	
5 Bromomethane	94	1.578	1.578 (0.284)	112074	5.00000	4.8771	
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)	123861	5.00000	4.9186	
7 Chloroethane	64	1.649	1.649 (0.297)	124321	5.00000	4.7664	
8 Trichlorofluoromethane	101	1.827	1.791 (0.329)	292676	5.00000	5.3359	
\$ 12 1,1-Dichloroethene-d2	63	2.146	2.146 (0.386)	397415	5.00000	5.0830	
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)	194444	5.00000	4.9912	
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.194 (0.393)	198484	5.00000	5.3037	
14 Acetone	43	2.194	2.206 (0.395)	271662	50.0000	71.7587	
15 Carbon Disulfide	76	2.336	2.336 (0.421)	640740	5.00000	5.0935	
16 Methyl Acetate	43	2.797	2.785 (0.504)	89618	5.00000	5.0011	
17 Methylene Chloride	84	2.549	2.549 (0.459)	198167	5.00000	4.7088	
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)	388170	5.00000	5.1737	
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)	219582	5.00000	5.0046	
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)	410687	5.00000	5.0284	
\$ 25 2-Butanone-d5	46	3.886	3.910 (0.700)	614589	50.0000	58.9528	
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)	224868	5.00000	5.0039	
28 2-Butanone	43	3.969	3.981 (0.715)	444768	50.0000	55.2585	
29 Bromochloromethane	128	4.229	4.241 (0.761)	76389	5.00000	5.0570	
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)	337958	5.00000	5.0139	
31 Chloroform	83	4.347	4.347 (0.783)	352407	5.00000	5.0291	

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
33 1,1,1-Trichloroethane	97	4.548	4.548 (0.482)	287630	5.00000	5.0052	
32 Cyclohexane	56	4.608	4.608 (0.488)	451922	5.00000	4.9447	
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)	231434	5.00000	5.1025	
\$ 38 1,2-Dichloroethane-d4	65	4.963	4.974 (0.893)	130498	5.00000	4.8347(OM) DUBS 21/11/12	
\$ 36 Benzene-d6	84	4.974	4.974 (0.527)	728292	5.00000	4.8547	
37 Benzene	78	5.022	5.022 (0.532)	804605	5.00000	4.9321	
39 1,2-Dichloroethane	62	5.069	5.069 (0.913)	187573	5.00000	4.9283	
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)	715203	5.00000		
42 Trichloroethene	95	5.862	5.862 (0.621)	208904	5.00000	4.8589	
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)	219901	5.00000	4.9197	
43 Methylcyclohexane	83	6.087	6.087 (0.645)	424489	5.00000	5.2374	
45 1,2-Dichloropropane	63	6.170	6.170 (0.654)	193510	5.00000	4.9149	
49 Bromodichloromethane	83	6.548	6.560 (0.694)	209653	5.00000	4.9675	
50 cis-1,3-Dichloropropene	75	7.152	7.164 (0.758)	258241	5.00000	4.8744	
51 4-Methyl-2-pentanone	43	7.400	7.400 (0.784)	1194083	50.0000	51.5901	
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)	649218	5.00000	4.8304	
53 Toluene	91	7.578	7.578 (0.803)	826227	5.00000	4.8806	
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897 (0.837)	173639	5.00000	4.9194	
55 trans-1,3-Dichloropropene	75	7.933	7.933 (0.841)	198135	5.00000	4.9523	
56 1,1,2-Trichloroethane	97	8.169	8.169 (0.866)	106617	5.00000	4.8463	
57 Tetrachloroethene	164	8.311	8.311 (0.881)	159595	5.00000	4.9953	
\$ 58 2-Hexanone-d5	63	8.489	8.489 (0.900)	478752	50.0000	53.0139	
60 2-Hexanone	43	8.548	8.548 (0.906)	838685	50.0000	50.9144	
61 Dibromochloromethane	129	8.690	8.690 (0.921)	118473	5.00000	4.9972	
62 1,2-Dibromoethane	107	8.820	8.820 (0.935)	99135	5.00000	4.9031	
* 63 Chlorobenzene-d5	117	9.435	9.435 (1.000)	656142	5.00000		
64 Chlorobenzene	112	9.471	9.471 (1.004)	532725	5.00000	4.8983	
65 Ethylbenzene	91	9.613	9.625 (1.019)	984813	5.00000	5.0079	
67 m+p-Xylenes	106	9.755	9.755 (1.034)	387429	5.00000	5.0357	
68 o-Xylene	106	10.181	10.181 (1.079)	382480	5.00000	5.1080	
69 Styrene	104	10.193	10.205 (1.080)	611251	5.00000	5.1202	
70 Bromoform	173	10.370	10.370 (0.889)	60059	5.00000	4.9382	
71 Isopropylbenzene	105	10.548	10.548 (1.118)	971880	5.00000	5.1447	
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)	112163	5.00000	5.0313	
74 1,1,2,2-Tetrachloroethane	83	10.855	10.855 (1.150)	118260	5.00000	5.2660	
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.996)	411341	5.00000	4.9644	
* 85 1,4-Dichlorobenzene-d4	152	11.660	11.672 (1.000)	319572	5.00000		
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.002)	396784	5.00000	4.8889	
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.025)	198207	5.00000	4.9036	
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.026)	322796	5.00000	4.9746	
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.076)	15162	5.00000	5.5222	
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.125)	180070	5.00000	4.7580	
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.153)	126688	5.00000	4.6234	

QC Flag Legend

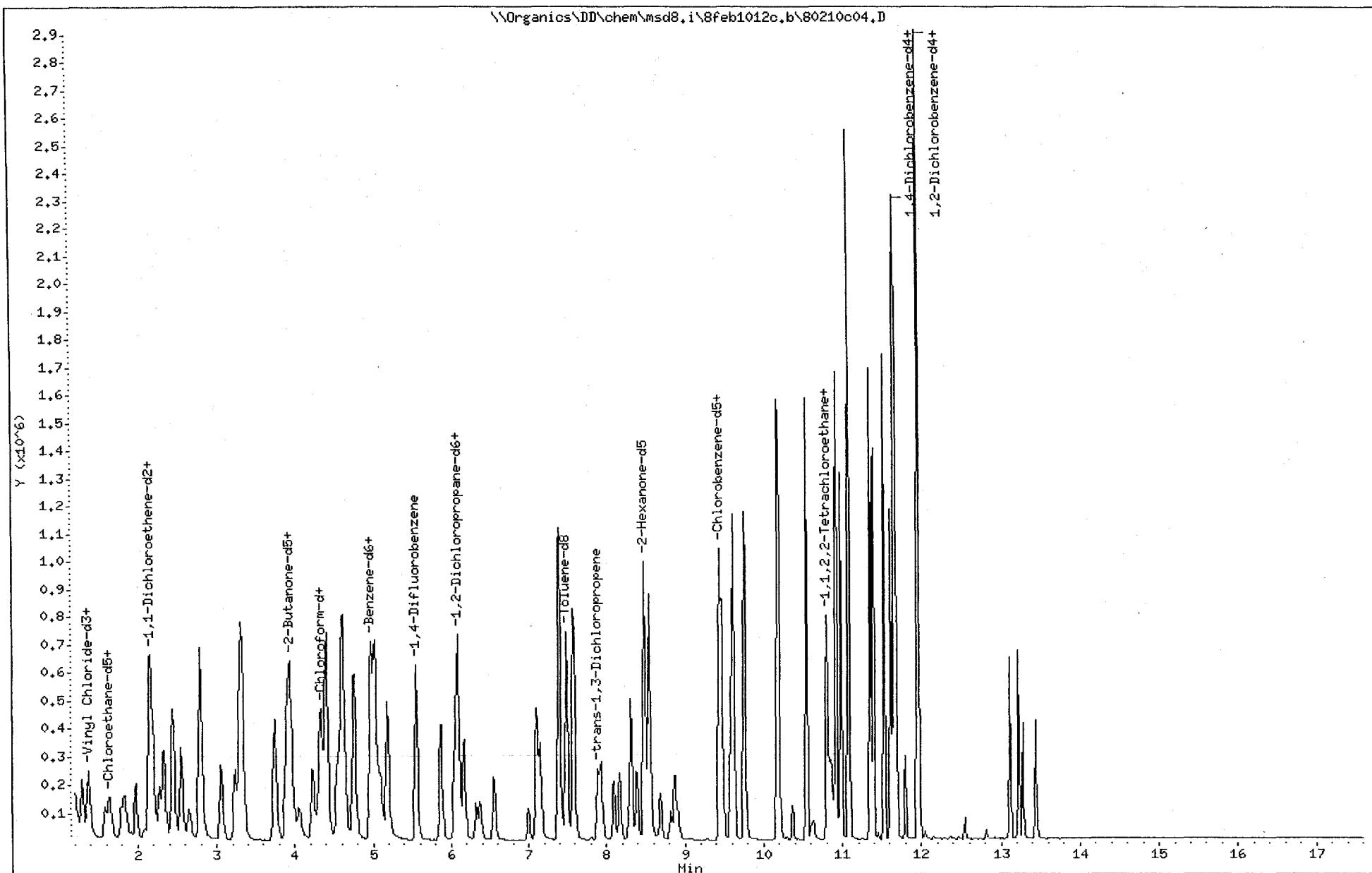
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c04.D
Date : 10-FEB-2012 14:32
Client ID: VSTD005MK
Sample Info: 8feb1012c.b, VSTD005MK
Purge Volume: 25.0
Column phase: DB-624

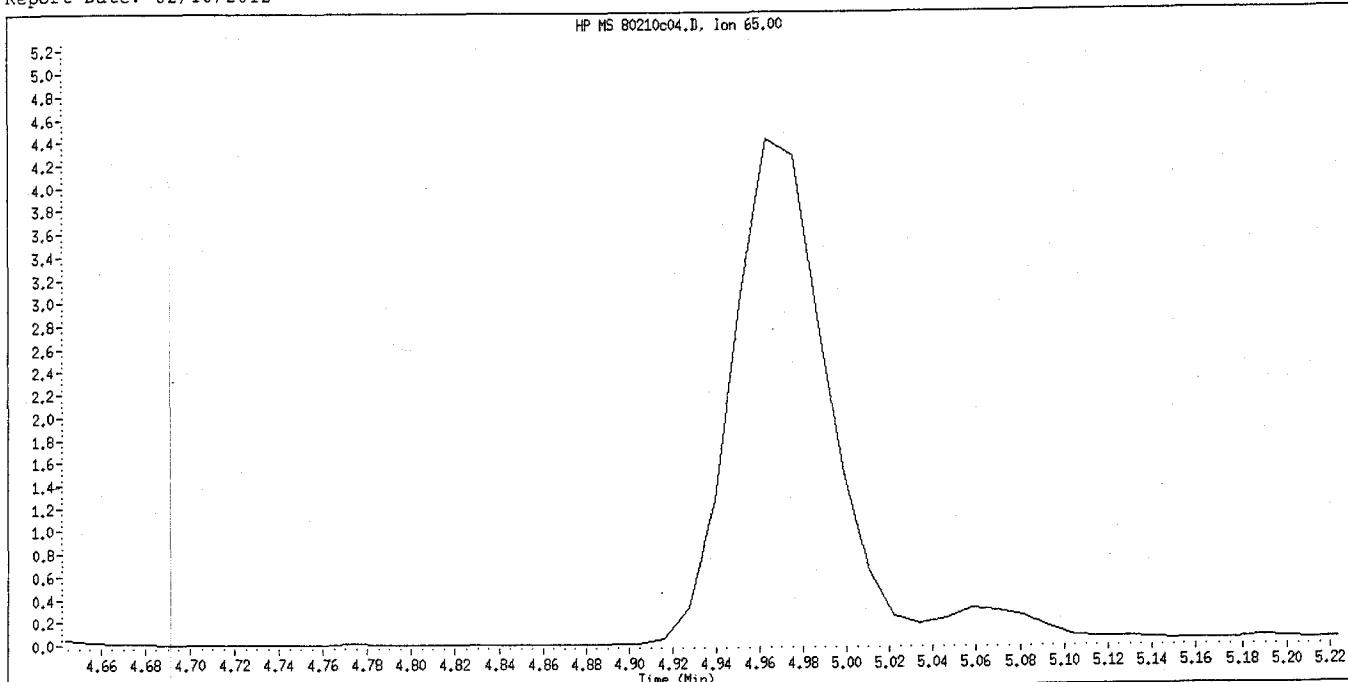
Instrument: msd8.i
Operator: BM
Column diameter: 0.18

Page 3

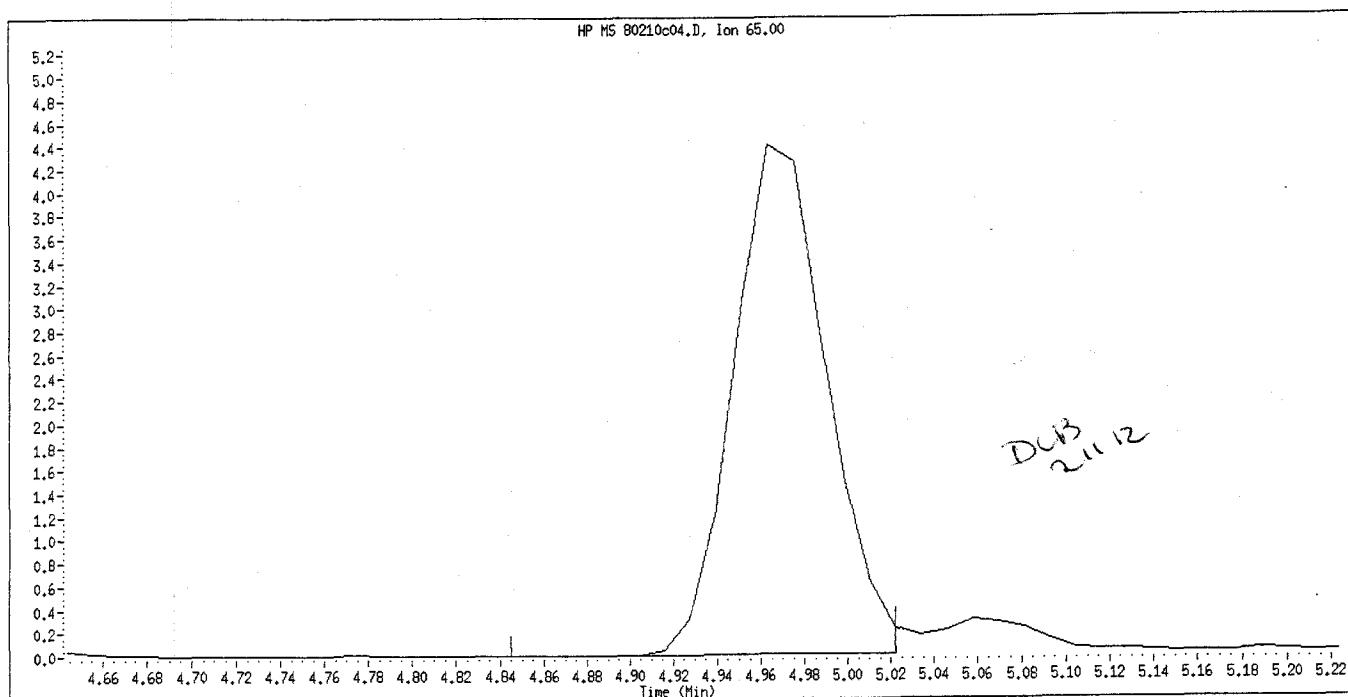
179 of 502



Data File Name: 80210c04.D
Inj. Date and Time: 10-FEB-2012 14:32
Instrument ID: msd8.i
Client ID: VSTD005MK
Compound Name: 1,2-Dichloroethane-d4
CAS #: 17060-07-0
Report Date: 02/10/2012



Original Integration



Manual Integration

Manually Integrated By: BM
Manual Integration Reason: Unknown

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c03.D
 Lab Smp Id: VSTD010MK Client Smp ID: VSTD010MK
 Inj Date : 10-FEB-2012 14:10
 Operator : BM Inst ID: msd8.i
 Smp Info : 8feb1012c.b, VSTD010MK
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb1012c.b\TRACE-8.m
 Meth Date : 11-Feb-2012 13:51 dlb Quant Type: ISTD
 Cal Date : 10-FEB-2012 14:10 Cal File: 80210c03.D
 Als bottle: 6 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		494999	10.0000	10.1992
2 Chloromethane	50	1.294	1.294 (0.233)		653495	10.0000	9.7585
\$ 3 Vinyl Chloride-d3	65	1.365	1.365 (0.246)		340271	10.0000	10.1018
4 Vinyl Chloride	62	1.377	1.365 (0.248)		497564	10.0000	10.1544
5 Bromomethane	94	1.590	1.578 (0.286)		222230	10.0000	9.5331
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)		245336	10.0000	9.6039
7 Chloroethane	64	1.649	1.649 (0.297)		247639	10.0000	9.3592
8 Trichlorodifluoromethane	101	1.827	1.791 (0.329)		573898	10.0000	10.3142
\$ 12 1,1-Dichloroethene-d2	63	2.146	2.146 (0.387)		794322	10.0000	10.0150
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		385933	10.0000	9.7656
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.194 (0.393)		384267	10.0000	10.1218
14 Acetone	43	2.206	2.206 (0.397)		237206	100.000	61.7655
15 Carbon Disulfide	76	2.336	2.336 (0.421)		1240343	10.0000	9.7197
16 Methyl Acetate	43	2.797	2.785 (0.504)		167496	10.0000	9.2142
17 Methylene Chloride	84	2.549	2.549 (0.459)		377838	10.0000	8.8504
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		724593	10.0000	9.5202
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)		427324	10.0000	9.6008
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		802259	10.0000	9.6830
\$ 25 2-Butanone-d5	46	3.898	3.910 (0.702)		919538	100.000	86.9488
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)		438297	10.0000	9.6145
28 2-Butanone	43	3.969	3.981 (0.715)		589485	100.000	72.1960
29 Bromochloromethane	128	4.229	4.241 (0.761)		148191	10.0000	9.6708
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		675867	10.0000	9.8845
31 Chloroform	83	4.347	4.347 (0.783)		695646	10.0000	9.7862

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
33 1,1,1-Trichloroethane		97	4.549	4.548 (0.482)	572482	10.0000	10.2790
32 Cyclohexane		56	4.608	4.608 (0.488)	884230	10.0000	9.9826
34 Carbon Tetrachloride		117	4.750	4.750 (0.503)	471019	10.0000	10.7151
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.974 (0.893)	264821	10.0000	9.6716
\$ 36 Benzene-d6		84	4.975	4.974 (0.527)	1478013	10.0000	10.1657
37 Benzene		78	5.022	5.022 (0.532)	1566803	10.0000	9.9097
39 1,2-Dichloroethane		62	5.069	5.069 (0.913)	370832	10.0000	9.6046
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)	725529	5.00000	
42 Trichloroethene		95	5.874	5.862 (0.623)	406974	10.0000	9.7669
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)	440956	10.0000	10.1789
43 Methylcyclohexane		83	6.087	6.087 (0.645)	830549	10.0000	10.5733
45 1,2-Dichloropropane		63	6.170	6.170 (0.654)	378147	10.0000	9.9100
49 Bromodichloromethane		83	6.548	6.560 (0.694)	423163	10.0000	10.3452
50 cis-1,3-Dichloropropene		75	7.152	7.164 (0.758)	536893	10.0000	10.4565
51 4-Methyl-2-pentanone		43	7.400	7.400 (0.784)	2153495	100.000	96.0005
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)	1300520	10.0000	9.9841
53 Toluene		91	7.578	7.578 (0.803)	1627745	10.0000	9.9210
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)	363650	10.0000	10.6305
55 trans-1,3-Dichloropropene		75	7.933	7.933 (0.841)	412706	10.0000	10.6436
56 1,1,2-Trichloroethane		97	8.169	8.169 (0.866)	215153	10.0000	10.0909
57 Tetrachloroethene		164	8.311	8.311 (0.881)	304357	10.0000	9.8294
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)	875758	100.000	100.0602
60 2-Hexanone		43	8.548	8.548 (0.906)	1582852	100.000	99.1470
61 Dibromochloromethane		129	8.690	8.690 (0.921)	239844	10.0000	10.4385
62 1,2-Dibromoethane		107	8.820	8.820 (0.935)	199482	10.0000	10.1800
* 63 Chlorobenzene-d5		117	9.436	9.435 (1.000)	635917	5.00000	
64 Chlorobenzene		112	9.471	9.471 (1.004)	1038316	10.0000	9.8509
65 Ethylbenzene		91	9.613	9.625 (1.019)	1875998	10.0000	9.8432
67 m+p-Xylenes		106	9.755	9.755 (1.034)	737838	10.0000	9.8953
68 o-Xylene		106	10.181	10.181 (1.079)	697784	10.0000	9.6153
69 Styrene		104	10.193	10.205 (1.080)	1159306	10.0000	10.0199
70 Bromoform		173	10.370	10.370 (0.888)	123756	10.0000	11.2433
71 Isopropylbenzene		105	10.548	10.548 (1.118)	1754404	10.0000	9.5825
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)	207880	10.0000	9.6215
74 1,1,2,2-Tetrachloroethane		83	10.844	10.855 (1.149)	204290	10.0000	9.3862
83 1,3-Dichlorobenzene		146	11.613	11.613 (0.995)	740537	10.0000	9.8752
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)	289226	5.00000	(Q)
86 1,4-Dichlorobenzene		146	11.684	11.684 (1.001)	718842	10.0000	9.7865
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)	359475	10.0000	9.8264
89 1,2-Dichlorobenzene		146	11.968	11.968 (1.025)	575555	10.0000	9.8005
90 1,2-Dibromo-3-chloropropane		75	12.548	12.548 (1.075)	26088	10.0000	10.4985
91 1,2,4-Trichlorobenzene		180	13.116	13.116 (1.124)	342251	10.0000	9.9922
94 1,2,3-Trichlorobenzene		180	13.447	13.447 (1.152)	256175	10.0000	10.3300

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c03.D

Date : 10-FEB-2012 14:10

Client ID: VSTD010MK

Sample Info: 8feb1012c.b, VSTD010MK

Purge Volume: 25.0

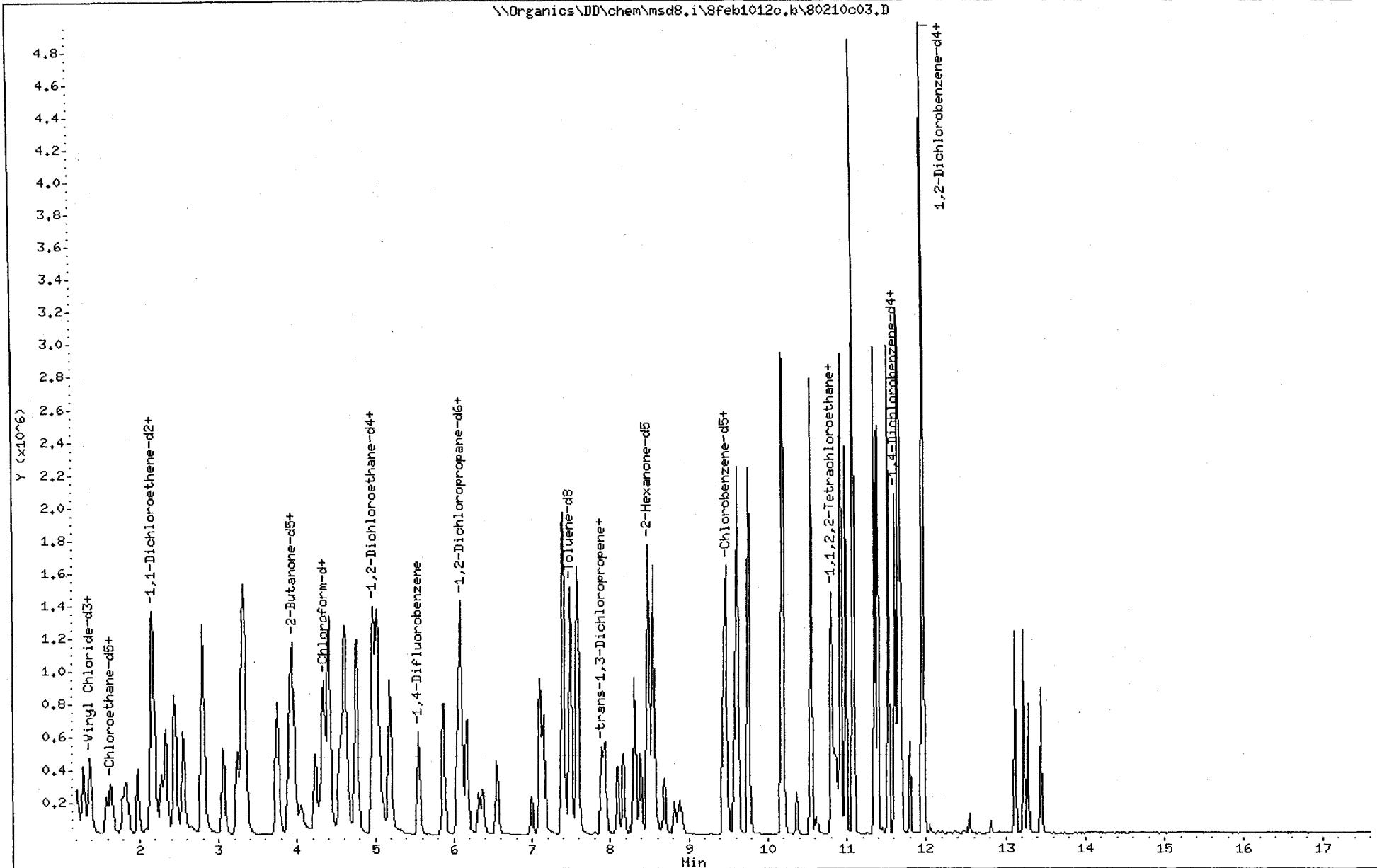
Column phase: DB-624

Instrument: msd8.i

Operator: BM

Column diameter: 0.18

\\Organics\DD\chem\msd8.i\8feb1012c.b\80210c03.D



Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c02.D
 Lab Smp Id: VSTD020MK Client Smp ID: VSTD020MK
 Inj Date : 10-FEB-2012 13:48
 Operator : BM Inst ID: msd8.i
 Smp Info : 8feb1012c.b, VSTD020MK
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb1012c.b\TRACE-8.m
 Meth Date : 11-Feb-2012 13:51 dbl Quant Type: ISTD
 Cal Date : 10-FEB-2012 13:48 Cal File: 80210c02.D
 Als bottle: 5 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.219)		994322	20.0000	20.8858(A)	
2 Chloromethane	50	1.295	1.294 (0.234)		1204825	20.0000	18.3412	
\$ 3 Vinyl Chloride-d3	65	1.377	1.365 (0.249)		667616	20.0000	20.2053(A)	
4 Vinyl Chloride	62	1.377	1.365 (0.249)		951643	20.0000	19.7990	
5 Bromomethane	94	1.579	1.578 (0.285)		410405	20.0000	17.9477	
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.296)		497978	20.0000	19.8729	
7 Chloroethane	64	1.650	1.649 (0.298)		500903	20.0000	19.2992	
8 Trichlorodifluoromethane	101	1.815	1.791 (0.328)		1148217	20.0000	21.0372(A)	
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.146 (0.387)		1589658	20.0000	20.4325(A)	
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		745634	20.0000	19.2344	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.182	2.194 (0.394)		759958	20.0000	20.4071(A)	
14 Acetone	43	2.194	2.206 (0.396)		872427	200.000	231.5867(A)	
15 Carbon Disulfide	76	2.324	2.336 (0.419)		2457721	20.0000	19.6339	
16 Methyl Acetate	43	2.786	2.785 (0.503)		327002	20.0000	18.3386	
17 Methylene Chloride	84	2.549	2.549 (0.460)		745048	20.0000	17.7913	
20 Methyl tert-Butyl Ether	73	2.786	2.797 (0.503)		1448409	20.0000	19.4003	
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.505)		815336	20.0000	18.6747	
23 1,1-Dichloroethane	63	3.235	3.235 (0.584)		1533729	20.0000	18.8717	
\$ 25 2-Butanone-d5	46	3.886	3.910 (0.701)		2233295	200.000	215.2802(A)	
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.710)		839282	20.0000	18.7686	
28 2-Butanone	43	3.957	3.981 (0.714)		1676553	200.000	209.3252(A)	
29 Bromochloromethane	128	4.229	4.241 (0.763)		289514	20.0000	19.2608	
\$ 30 Chloroform-d	84	4.312	4.324 (0.778)		1336304	20.0000	19.9233	
31 Chloroform	83	4.336	4.347 (0.782)		1327176	20.0000	19.0336	

Compounds	QUANT SIG	MASS					AMOUNTS	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
33 1,1,1-Trichloroethane		97	4.549	4.548 (0.482)	1101507	20.0000	19.6697	
32 Cyclohexane		56	4.596	4.608 (0.487)	1737853	20.0000	19.5125	
34 Carbon Tetrachloride		117	4.750	4.750 (0.503)	951439	20.0000	21.5257(A)	
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.974 (0.895)	547307	20.0000	20.3771(A)	
\$ 36 Benzene-d6		84	4.975	4.974 (0.527)	2893447	20.0000	19.7922	
37 Benzene		78	5.022	5.022 (0.532)	3025821	20.0000	19.0331	
39 1,2-Dichloroethane		62	5.057	5.069 (0.912)	739042	20.0000	19.5136	
* 41 1,4-Difluorobenzene		114	5.543	5.554 (1.000)	711690	5.00000		
42 Trichloroethene		95	5.862	5.862 (0.621)	810691	20.0000	19.3493	
\$ 44 1,2-Dichloropropane-d6		67	6.040	6.051 (0.640)	882571	20.0000	20.2617(A)	
43 Methylcyclohexane		83	6.087	6.087 (0.645)	1674941	20.0000	21.2063(A)	
45 1,2-Dichloropropane		63	6.158	6.170 (0.653)	746915	20.0000	19.4672	
49 Bromodichloromethane		83	6.548	6.560 (0.694)	841601	20.0000	20.4625(A)	
50 cis-1,3-Dichloropropene		75	7.152	7.164 (0.758)	1057357	20.0000	20.4805(A)	
51 4-Methyl-2-pentanone		43	7.389	7.400 (0.783)	4470677	200.000	198.2084	
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)	2728838	20.0000	20.8348(A)	
53 Toluene		91	7.578	7.578 (0.803)	3149611	20.0000	19.0918	
\$ 54 trans-1,3-Dichloropropene-d4		79	7.885	7.897 (0.836)	735314	20.0000	21.3777(A)	
55 trans-1,3-Dichloropropene		75	7.921	7.933 (0.839)	830131	20.0000	21.2919(A)	
56 1,1,2-Trichloroethane		97	8.169	8.169 (0.866)	414729	20.0000	19.3450	
57 Tetrachloroethene		164	8.311	8.311 (0.881)	616834	20.0000	19.8122	
\$ 58 2-Hexanone-d5		63	8.477	8.489 (0.898)	1744156	200.000	198.1899	
60 2-Hexanone		43	8.548	8.548 (0.906)	3215154	200.000	200.2904(A)	
61 Dibromochloromethane		129	8.690	8.690 (0.921)	498387	20.0000	21.5722(A)	
62 1,2-Dibromoethane		107	8.808	8.820 (0.934)	399485	20.0000	20.2752(A)	
* 63 Chlorobenzene-d5		117	9.436	9.435 (1.000)	639413	5.00000		
64 Chlorobenzene		112	9.471	9.471 (1.004)	2017331	20.0000	19.0345	
65 Ethylbenzene		91	9.613	9.625 (1.019)	3645311	20.0000	19.0222	
67 m+p-Xylenes		106	9.755	9.755 (1.034)	1443406	20.0000	19.2521	
68 o-Xylene		106	10.181	10.181 (1.079)	1354931	20.0000	18.5686	
69 Styrene		104	10.193	10.205 (1.080)	2226374	20.0000	19.1374	
70 Bromoform		173	10.370	10.370 (0.889)	263319	20.0000	22.6825(A)	
71 Isopropylbenzene		105	10.548	10.548 (1.118)	3446384	20.0000	18.7212	
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)	450367	20.0000	20.7307(A)	
74 1,1,2,2-Tetrachloroethane		83	10.844	10.855 (1.149)	441305	20.0000	20.1652(A)	
83 1,3-Dichlorobenzene		146	11.613	11.613 (0.996)	1520236	20.0000	19.2218	
* 85 1,4-Dichlorobenzene-d4		152	11.660	11.672 (1.000)	305040	5.00000	(Q)	
86 1,4-Dichlorobenzene		146	11.684	11.684 (1.002)	1476913	20.0000	19.0647	
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.025)	749517	20.0000	19.4263	
89 1,2-Dichlorobenzene		146	11.968	11.968 (1.026)	1140067	20.0000	18.4065	
. 90 1,2-Dibromo-3-chloropropane		75	12.548	12.548 (1.076)	61235	20.0000	23.3652(A)	
91 1,2,4-Trichlorobenzene		180	13.116	13.116 (1.125)	661680	20.0000	18.3166	
94 1,2,3-Trichlorobenzene		180	13.447	13.447 (1.153)	425958	20.0000	16.2859	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

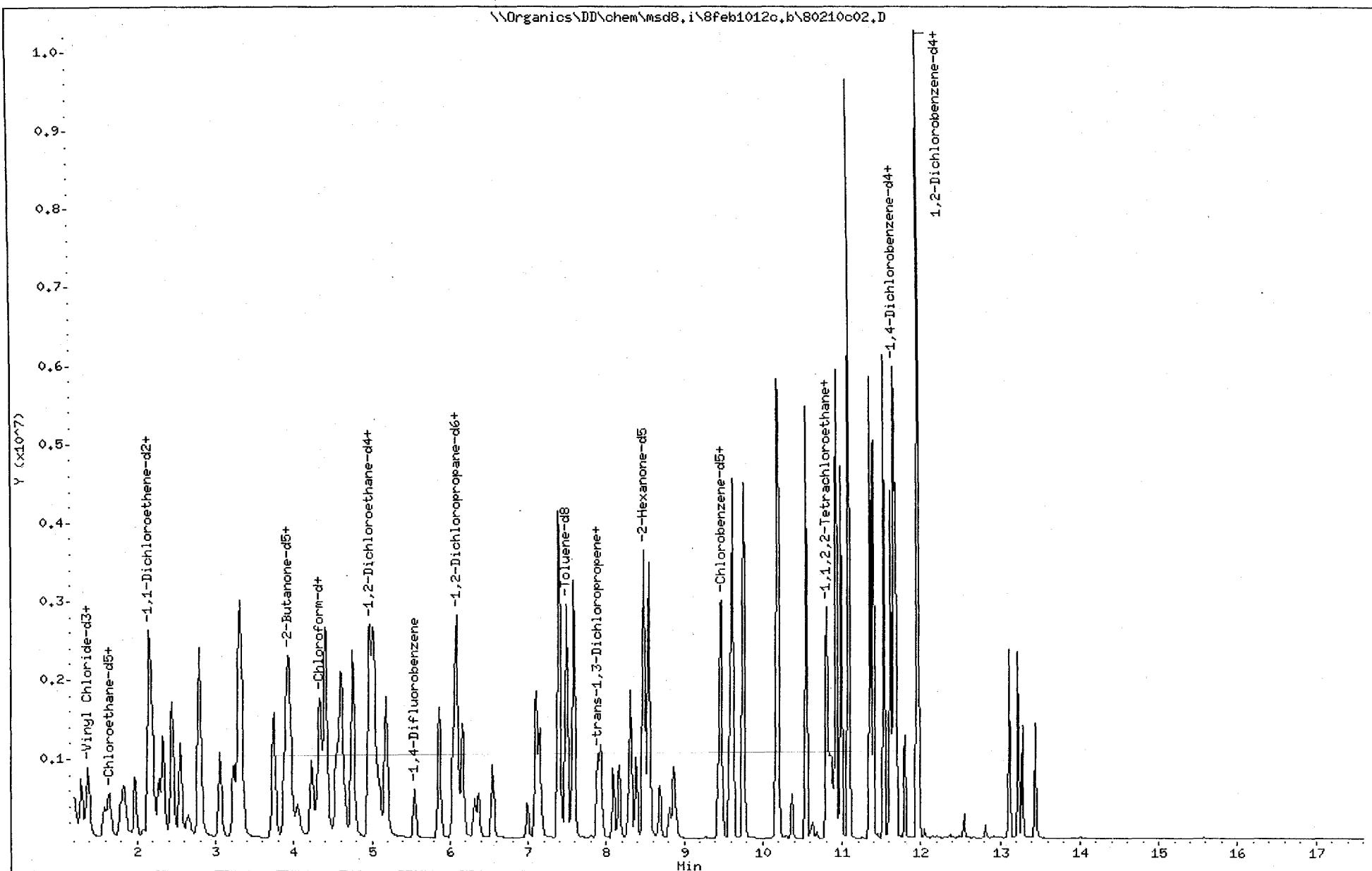
Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c02.D
Date : 10-FEB-2012 13:48
Client ID: VSTD020MK
Sample Info: 8feb1012c.b, VSTD020MK
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: BM
Column diameter: 0.18

Page: 3

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b. Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)

Arrange in chronological order, by instrument.

- (1) Quantitation reports for all continuing (12-hour) calibrations.
Spectra not required.
- (2) Reconstructed Ion Chromatograms.
- (3) EICPs displaying each manual integration.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/09/2012 Time: 0423

Lab File ID: 80208c25

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MD

Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.2218	0.2206	0.0100	-0.5	40.0
Chloromethane	0.2557	0.2635	0.0100	3.0	40.0
Vinyl chloride	0.2528	0.2506	0.1000	-0.9	30.0
Bromomethane	0.1443	0.1419	0.1000	-1.7	30.0
Chloroethane	0.1330	0.1438	0.0100	8.1	40.0
Trichlorofluoromethane	0.2791	0.2843	0.0100	1.9	40.0
1,1-Dichloroethene	0.1968	0.2124	0.1000	7.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1979	0.1945	0.0100	-1.7	40.0
Acetone	0.0206	0.0181	0.0100	-12.1	40.0
Carbon Disulfide	0.5901	0.6238	0.0100	5.7	40.0
Methyl acetate	0.0638	0.0672	0.0100	5.4	40.0
Methylene chloride	0.2091	0.2038	0.0100	-2.6	40.0
trans-1,2-Dichloroethene	0.2184	0.2259	0.0100	3.4	40.0
Methyl tert-butyl ether	0.3520	0.3829	0.0100	8.8	40.0
1,1-Dichloroethane	0.3777	0.3993	0.2000	5.7	30.0
cis-1,2-Dichloroethene	0.2221	0.2371	0.0100	6.8	40.0
2-Butanone	0.0377	0.0355	0.0100	-5.9	40.0
Bromochloromethane	0.0810	0.0833	0.0500	2.9	30.0
Chloroform	0.3404	0.3547	0.2000	4.2	30.0
1,1,1-Trichloroethane	0.3003	0.3133	0.1000	4.3	30.0
Cyclohexane	0.4506	0.4165	0.0100	-7.6	40.0
Carbon tetrachloride	0.2514	0.2580	0.1000	2.6	30.0
Benzene	0.8777	0.8812	0.4000	0.4	30.0
1,2-Dichloroethane	0.1619	0.1640	0.1000	1.3	30.0
Trichloroethene	0.2294	0.2526	0.3000	10.1	30.0
Methylcyclohexane	0.4834	0.4768	0.0100	-1.4	40.0

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/09/2012 Time: 0423

Lab File ID: 80208c25

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MD

Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.2004	0.2037	0.0100	1.6	40.0
Bromodichloromethane	0.2147	0.2153	0.2000	0.3	30.0
cis-1,3-Dichloropropene	0.2757	0.2648	0.2000	-4.0	30.0
4-Methyl-2-pentanone	0.1086	0.1117	0.0100	2.8	40.0
Toluene	0.9113	0.9258	0.4000	1.6	30.0
trans-1,3-Dichloropropene	0.2042	0.1974	0.1000	-3.3	30.0
1,1,2-Trichloroethane	0.1161	0.1163	0.1000	0.2	30.0
Tetrachloroethene	0.1919	0.2140	0.1000	11.5	30.0
2-Hexanone	0.0764	0.0774	0.0100	1.3	40.0
Dibromochloromethane	0.1330	0.1368	0.1000	2.9	30.0
1,2-Dibromoethane	0.1109	0.1113	0.0100	0.4	40.0
Chlorobenzene	0.6227	0.6330	0.5000	1.7	30.0
Ethylbenzene	1.0703	1.0858	0.1000	1.4	30.0
o-Xylene	0.4263	0.4300	0.3000	0.9	30.0
m,p-Xylene	0.4334	0.4430	0.3000	2.2	30.0
Styrene	0.6681	0.6842	0.3000	2.4	30.0
Bromoform	0.1296	0.1381	0.0500	6.5	30.0
Isopropylbenzene	1.0941	1.0771	0.0100	-1.6	40.0
1,1,2,2-Tetrachloroethane	0.1279	0.1247	0.1000	-2.5	30.0
1,3-Dichlorobenzene	0.9819	0.9823	0.4000	0.0	30.0
1,4-Dichlorobenzene	0.9815	0.9657	0.4000	-1.6	30.0
1,2-Dichlorobenzene	0.8167	0.7919	0.4000	-3.0	30.0
1,2-Dibromo-3-chloropropane	0.0323	0.0277	0.0100	-14.1	40.0
1,2,4-Trichlorobenzene	0.5681	0.4059	0.2000	-28.5	30.0
1,2,3-Trichlorobenzene	0.4345	0.3057	0.2000	-29.7	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8 Calibration Date: 02/09/2012 Time: 0423

Lab File ID: 80208c25 Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MD Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.2202	0.2312	0.0100	5.0	30.0
Chloroethane-d5	0.1721	0.1878	0.0100	9.1	40.0
1,1-Dichloroethene-d2	0.4006	0.4489	0.0100	12.1	30.0
2-Butanone-d5	0.0411	0.0369	0.0100	-10.2	40.0
Chloroform-d	0.3617	0.3924	0.0100	8.5	30.0
1,2-Dichloroethane-d4	0.1397	0.1523	0.0100	9.0	30.0
Benzene-d6	0.9158	0.9509	0.0100	3.8	30.0
1,2-Dichloropropane-d6	0.2723	0.2828	0.0100	3.9	40.0
Toluene-d8	0.8329	0.8745	0.0100	5.0	30.0
trans-1,3-Dichloropropene-d4	0.2012	0.1980	0.0100	-1.6	30.0
2-Hexanone-d5	0.0440	0.0455	0.0100	3.5	40.0
1,1,2,2-Tetrachloroethane-d2	0.1413	0.1423	0.0100	0.7	30.0
1,2-Dichlorobenzene-d4	0.5640	0.5690	0.0100	0.9	30.0

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c25.D
Lab Smp Id: VSTD005MD Client Smp ID: VSTD005MD
Inj Date : 09-FEB-2012 04:23
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0812c.b, VSTD005MD
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0812c.b\TRACE-8e.m
Meth Date : 11-Feb-2012 14:59 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14
Processing Host: VOA-LBUTFLIOSKI

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		184639	5.00000	4.9738
2 Chloromethane	50	1.294	1.294 (0.233)		220486	5.00000	5.1510
\$ 3 Vinyl Chloride-d3	65	1.365	1.365 (0.246)		193526	5.00000	5.2515
4 Vinyl Chloride	62	1.377	1.377 (0.248)		209733	5.00000	4.9559
5 Bromomethane	94	1.590	1.590 (0.286)		118756	5.00000	4.9154
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)		157151	5.00000	5.4541
7 Chloroethane	64	1.649	1.649 (0.297)		120322	5.00000	5.4051
8 Trichlorodifluoromethane	101	1.803	1.803 (0.325)		237970	5.00000	5.0931
\$ 12 1,1-Dichloroethene-d2	63	2.146	2.146 (0.386)		375684	5.00000	5.6025
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		177736	5.00000	5.3945
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.182	2.182 (0.393)		162790	5.00000	4.9140
14 Acetone	43	2.206	2.206 (0.397)		151838	50.0000	43.9344
15 Carbon Disulfide	76	2.336	2.336 (0.421)		522055	5.00000	5.2854
16 Methyl Acetate	43	2.797	2.797 (0.504)		56268	5.00000	5.2712
17 Methylene Chloride	84	2.549	2.549 (0.459)		170537	5.00000	4.8716
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		320488	5.00000	5.4390
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)		189087	5.00000	5.1714
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		334194	5.00000	5.2860
\$ 25 2-Butanone-d5	46	3.898	3.898 (0.702)		309052	50.0000	44.9102
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)		198454	5.00000	5.3395
28 2-Butanone	43	3.969	3.969 (0.715)		296751	50.0000	47.0262
29 Bromochloromethane	128	4.241	4.241 (0.764)		69709	5.00000	5.1446
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		328438	5.00000	5.4253

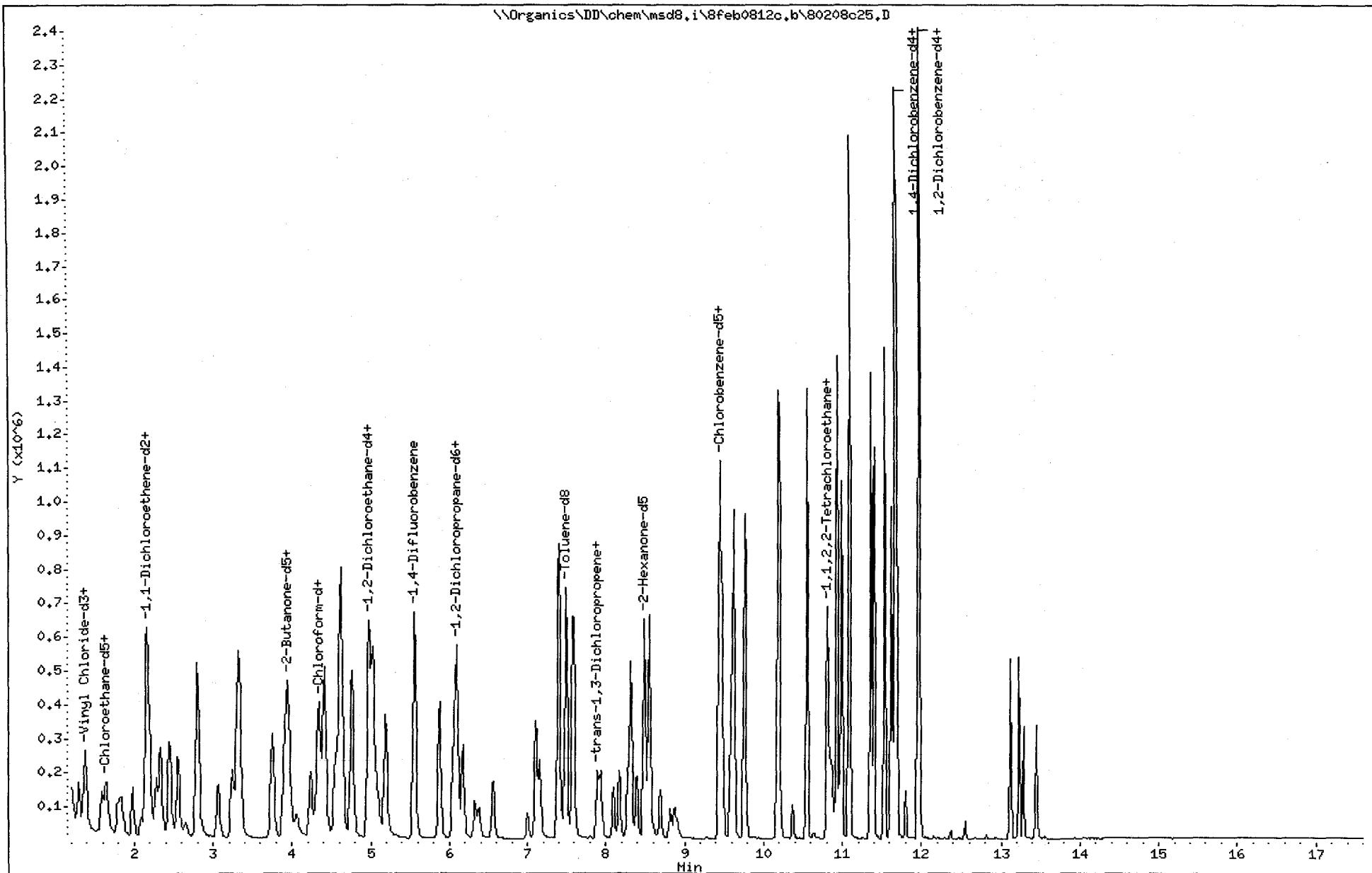
Compounds	QUANT SIG	MASS						AMOUNTS	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
								(ug/L)	(ug/L)
31 Chloroform		83	4.347	4.347 (0.783)		296826	5.00000	5.2099	
33 1,1,1-Trichloroethane		97	4.548	4.548 (0.482)		245310	5.00000	5.2150	
32 Cyclohexane		56	4.608	4.608 (0.488)		326141	5.00000	4.6210	
34 Carbon Tetrachloride		117	4.750	4.750 (0.503)		202006	5.00000	5.1307	
\$ 38 1,2-Dichloroethane-d4		65	4.974	4.974 (0.896)		127440	5.00000	5.4487	
\$ 36 Benzene-d6		84	4.974	4.974 (0.527)		744680	5.00000	5.1916	
37 Benzene		78	5.022	5.022 (0.532)		690036	5.00000	5.0198	
39 1,2-Dichloroethane		62	5.069	5.069 (0.913)		137230	5.00000	5.0640	
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)		836899	5.00000		
42 Trichloroethene		95	5.874	5.874 (0.623)		197846	5.00000	5.5066	
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		221478	5.00000	5.1933	
43 Methylcyclohexane		83	6.099	6.099 (0.646)		373345	5.00000	4.9315	
45 1,2-Dichloropropane		63	6.170	6.170 (0.654)		159539	5.00000	5.0820	
49 Bromodichloromethane		83	6.548	6.548 (0.694)		168610	5.00000	5.0145	
50 cis-1,3-Dichloropropene		75	7.152	7.152 (0.758)		207337	5.00000	4.8012	
51 4-Methyl-2-pentanone		43	7.400	7.400 (0.784)		874970	50.0000	51.4193	
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		684842	5.00000	5.2496	
53 Toluene		91	7.590	7.590 (0.804)		724991	5.00000	5.0795	
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)		155025	5.00000	4.9200	
55 trans-1,3-Dichloropropene		75	7.933	7.933 (0.841)		154572	5.00000	4.8327	
56 1,1,2-Trichloroethane		97	8.169	8.169 (0.866)		91039	5.00000	5.0077	
57 Tetrachloroethene		164	8.311	8.311 (0.881)		167601	5.00000	5.5756	
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)		356342	50.0000	51.7433	
60 2-Hexanone		43	8.548	8.548 (0.906)		606060	50.0000	50.6665	
61 Dibromochloromethane		129	8.690	8.690 (0.921)		107119	5.00000	5.1428	
62 1,2-Dibromoethane		107	8.820	8.820 (0.935)		87179	5.00000	5.0190	
* 63 Chlorobenzene-d5		117	9.435	9.435 (1.000)		783100	5.00000		
64 Chlorobenzene		112	9.471	9.471 (1.004)		495738	5.00000	5.0833	
65 Ethylbenzene		91	9.625	9.625 (1.020)		850272	5.00000	5.0722	
67 m-p-Xylenes		106	9.755	9.755 (1.034)		346877	5.00000	5.1106	
68 o-Xylene		106	10.181	10.181 (1.079)		336714	5.00000	5.0434	
69 Styrene		104	10.193	10.193 (1.080)		535784	5.00000	5.1203	
70 Bromoform		173	10.370	10.370 (0.888)		52103	5.00000	5.3255	
71 Isopropylbenzene		105	10.548	10.548 (1.118)		843496	5.00000	4.9223	
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		111446	5.00000	5.0354	
74 1,1,2,2-Tetrachloroethane		83	10.855	10.855 (1.150)		97642	5.00000	4.8738	
83 1,3-Dichlorobenzene		146	11.613	11.613 (0.995)		370711	5.00000	5.0018	
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)		377407	5.00000		
86 1,4-Dichlorobenzene		146	11.684	11.684 (1.001)		364464	5.00000	4.9196	
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		214735	5.00000	5.0442	
89 1,2-Dichlorobenzene		146	11.968	11.968 (1.025)		298855	5.00000	4.8479	
90 1,2-Dibromo-3-chloropropane		75	12.548	12.548 (1.075)		10472	5.00000	4.2964	
91 1,2,4-Trichlorobenzene		180	13.116	13.116 (1.124)		153191	5.00000	3.5727	
94 1,2,3-Trichlorobenzene		180	13.447	13.447 (1.152)		115356	5.00000	3.5173	

Data File: \\Organics\\DD\\chem\\msd8.i\\8feb0812c.b\\80208c25.D
Date : 09-FEB-2012 04:23
Client ID: VSTD005MD
Sample Info: 8feb0812c.b, VSTD005MD
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

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7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/09/2012 Time: 1607

Lab File ID: 80209a25

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MG

Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624

ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.2218	0.2560	0.0100	15.4	40.0
Chloromethane	0.2557	0.2944	0.0100	15.1	40.0
Vinyl chloride	0.2528	0.2811	0.1000	11.2	30.0
Bromomethane	0.1443	0.1546	0.1000	7.1	30.0
Chloroethane	0.1330	0.1548	0.0100	16.4	40.0
Trichlorofluoromethane	0.2791	0.3308	0.0100	18.5	40.0
1,1-Dichloroethene	0.1968	0.2506	0.1000	27.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1979	0.2318	0.0100	17.1	40.0
Acetone	0.0206	0.0215	0.0100	4.2	40.0
Carbon Disulfide	0.5901	0.7051	0.0100	19.5	40.0
Methyl acetate	0.0638	0.0790	0.0100	23.9	40.0
Methylene chloride	0.2091	0.2344	0.0100	12.1	40.0
trans-1,2-Dichloroethene	0.2184	0.2671	0.0100	22.3	40.0
Methyl tert-butyl ether	0.3520	0.4444	0.0100	26.2	40.0
1,1-Dichloroethane	0.3777	0.4688	0.2000	24.1	30.0
cis-1,2-Dichloroethene	0.2221	0.2763	0.0100	24.4	40.0
2-Butanone	0.0377	0.0388	0.0100	2.8	40.0
Bromochloromethane	0.0810	0.1020	0.0500	26.1	30.0
Chloroform	0.3404	0.4187	0.2000	23.0	30.0
1,1,1-Trichloroethane	0.3003	0.3815	0.1000	27.0	30.0
Cyclohexane	0.4506	0.5179	0.0100	14.9	40.0
Carbon tetrachloride	0.2514	0.3158	0.1000	25.6	30.0
Benzene	0.8777	1.0838	0.4000	23.5	30.0
1,2-Dichloroethane	0.1619	0.1973	0.1000	21.8	30.0
Trichloroethene	0.2294	0.2983	0.3000	30.0	30.0
Methylcyclohexane	0.4834	0.5717	0.0100	18.3	40.0

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8 Calibration Date: 02/09/2012 Time: 1607

Lab File ID: 80209a25 Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MG Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.2004	0.2419	0.0100	20.7	40.0
Bromodichloromethane	0.2147	0.2603	0.2000	21.3	30.0
cis-1,3-Dichloropropene	0.2757	0.3137	0.2000	13.8	30.0
4-Methyl-2-pentanone	0.1086	0.1186	0.0100	9.1	40.0
Toluene	0.9113	1.1307	0.4000	24.1	30.0
trans-1,3-Dichloropropene	0.2042	0.2330	0.1000	14.1	30.0
1,1,2-Trichloroethane	0.1161	0.1408	0.1000	21.3	30.0
Tetrachloroethene	0.1919	0.2540	0.1000	32.4	30.0
2-Hexanone	0.0764	0.0806	0.0100	5.5	40.0
Dibromochloromethane	0.1330	0.1592	0.1000	19.7	30.0
1,2-Dibromoethane	0.1109	0.1347	0.0100	21.5	40.0
Chlorobenzene	0.6227	0.7661	0.5000	23.0	30.0
Ethylbenzene	1.0703	1.3067	0.1000	22.1	30.0
o-Xylene	0.4263	0.5288	0.3000	24.0	30.0
m,p-Xylene	0.4334	0.5369	0.3000	23.9	30.0
Styrene	0.6681	0.8387	0.3000	25.5	30.0
Bromoform	0.1296	0.1444	0.0500	11.4	30.0
Isopropylbenzene	1.0941	1.3430	0.0100	22.7	40.0
1,1,2,2-Tetrachloroethane	0.1279	0.1596	0.1000	24.7	30.0
1,3-Dichlorobenzene	0.9819	1.1766	0.4000	19.8	30.0
1,4-Dichlorobenzene	0.9815	1.1639	0.4000	18.6	30.0
1,2-Dichlorobenzene	0.8167	0.9782	0.4000	19.8	30.0
1,2-Dibromo-3-chloropropane	0.0323	0.0346	0.0100	7.1	40.0
1,2,4-Trichlorobenzene	0.5681	0.5531	0.2000	-2.6	30.0
1,2,3-Trichlorobenzene	0.4345	0.3952	0.2000	-9.0	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/09/2012 Time: 1607

Lab File ID: 80209a25

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005MG

Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.2202	0.1904	0.0100	-13.5	30.0
Chloroethane-d5	0.1721	0.1512	0.0100	-12.2	40.0
1,1-Dichloroethene-d2	0.4006	0.4104	0.0100	2.4	30.0
2-Butanone-d5	0.0411	0.0354	0.0100	-13.8	40.0
Chloroform-d	0.3617	0.3505	0.0100	-3.1	30.0
1,2-Dichloroethane-d4	0.1397	0.1260	0.0100	-9.8	30.0
Benzene-d6	0.9158	0.8663	0.0100	-5.4	30.0
1,2-Dichloropropane-d6	0.2723	0.2600	0.0100	-4.5	40.0
Toluene-d8	0.8329	0.7896	0.0100	-5.2	30.0
trans-1,3-Dichloropropene-d4	0.2012	0.1761	0.0100	-12.5	30.0
2-Hexanone-d5	0.0440	0.0409	0.0100	-6.9	40.0
1,1,2,2-Tetrachloroethane-d2	0.1413	0.1355	0.0100	-4.1	30.0
1,2-Dichlorobenzene-d4	0.5640	0.5185	0.0100	-8.1	30.0

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209a25.D
Lab Smp Id: VSTD005MG Client Smp ID: VSTD005MG
Inj Date : 09-FEB-2012 16:07
Operator : BM Inst ID: msd8.i
Smp Info : 8feb0912.b, VSTD005MG
Misc Info :
Comment :
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Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 52 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)	218907	5.00000	5.7703	
2 Chloromethane	50	1.295	1.295 (0.233)	251805	5.00000	5.7563	
\$ 3 Vinyl Chloride-d3	65	1.366	1.366 (0.246)	162865	5.00000	4.3246	
4 Vinyl Chloride	62	1.377	1.377 (0.248)	240441	5.00000	5.5595	
5 Bromomethane	94	1.590	1.590 (0.286)	132195	5.00000	5.3541	
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)	129285	5.00000	4.3905	
7 Chloroethane	64	1.650	1.650 (0.297)	132361	5.00000	5.8182	
8 Trichlorodifluoromethane	101	1.827	1.827 (0.329)	282941	5.00000	5.9255	
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)	350968	5.00000	5.1215	
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)	214368	5.00000	6.3666	
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.182 (0.393)	198250	5.00000	5.8559	
14 Acetone	43	2.206	2.206 (0.397)	184054	50.0000	52.1121	
15 Carbon Disulfide	76	2.336	2.336 (0.421)	603051	5.00000	5.9743	
16 Methyl Acetate	43	2.797	2.797 (0.504)	67569	5.00000	6.1939	
17 Methylene Chloride	84	2.561	2.561 (0.461)	200435	5.00000	5.6026	
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)	380102	5.00000	6.3121	
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)	228431	5.00000	6.1133	
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)	400956	5.00000	6.2058	
\$ 25 2-Butanone-d5	46	3.898	3.898 (0.702)	302942	50.0000	43.0767	
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)	236316	5.00000	6.2216	
28 2-Butanone	43	3.969	3.969 (0.715)	331614	50.0000	51.4222	
29 Bromochloromethane	128	4.241	4.241 (0.764)	87275	5.00000	6.3026	
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)	299785	5.00000	4.8457	
31 Chloroform	83	4.348	4.348 (0.783)	358115	5.00000	6.1506	

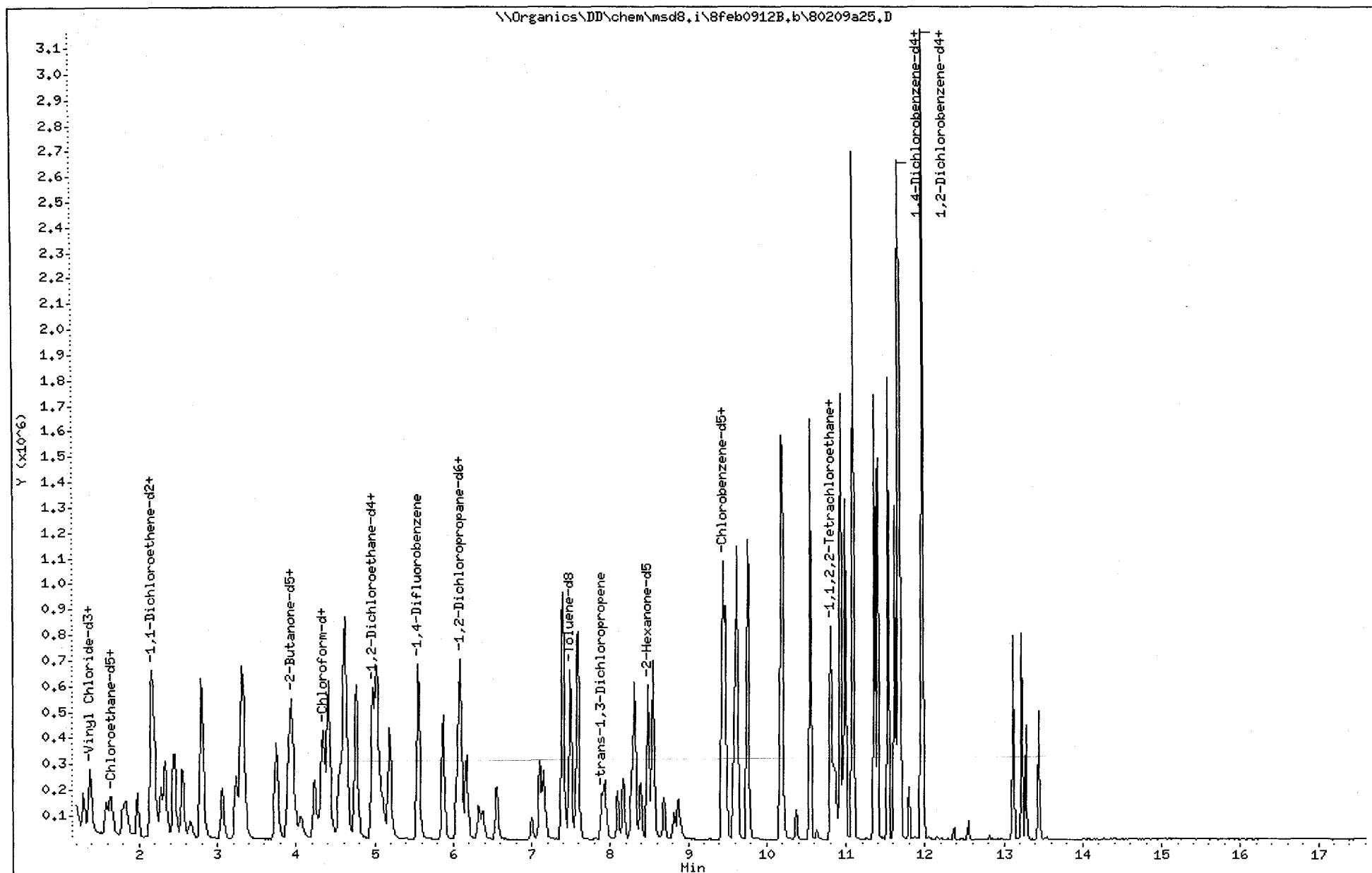
Compounds	QUANT SIG	MASS					AMOUNTS	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
33 1,1,1-Trichloroethane	97	4.549	4.549 (0.482)		296774	5.00000	6.3511	
32 Cyclohexane	56	4.608	4.608 (0.488)		402920	5.00000	5.7469	
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)		245680	5.00000	6.2815	
\$ 38 1,2-Dichloroethane-d4	65	4.975	4.975 (0.896)		107782	5.00000	4.5092	
\$ 36 Benzene-d6	84	4.975	4.975 (0.527)		673904	5.00000	4.7294	
37 Benzene	78	5.022	5.022 (0.532)		843113	5.00000	6.1742	
39 1,2-Dichloroethane	62	5.069	5.069 (0.913)		168703	5.00000	6.0917	
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)		855271	5.00000		
42 Trichloroethene	95	5.874	5.874 (0.623)		232017	5.00000	6.5007	
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)		202276	5.00000	4.7746	
43 Methylcyclohexane	83	6.087	6.087 (0.645)		444767	5.00000	5.9141	
45 1,2-Dichloropropane	63	6.170	6.170 (0.654)		188158	5.00000	6.0336	
49 Bromodichloromethane	83	6.560	6.560 (0.695)		202511	5.00000	6.0628	
50 cis-1,3-Dichloropropene	75	7.164	7.164 (0.759)		244001	5.00000	5.6878	
51 4-Methyl-2-pentanone	43	7.400	7.400 (0.784)		922338	50.0000	54.5638	
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)		614217	5.00000	4.7395	
53 Toluene	91	7.590	7.590 (0.804)		879620	5.00000	6.2039	
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897 (0.837)		136965	5.00000	4.3757	
55 trans-1,3-Dichloropropene	75	7.933	7.933 (0.841)		181285	5.00000	5.7056	
56 1,1,2-Trichloroethane	97	8.170	8.170 (0.866)		109500	5.00000	6.0633	
57 Tetrachloroethene	164	8.312	8.312 (0.881)		197609	5.00000	6.6177	
\$ 58 2-Hexanone-d5	63	8.489	8.489 (0.900)		318389	50.0000	46.5400	
60 2-Hexanone	43	8.548	8.548 (0.906)		626752	50.0000	52.7451	
61 Dibromochloromethane	129	8.690	8.690 (0.921)		123835	5.00000	5.9849	
62 1,2-Dibromoethane	107	8.820	8.820 (0.935)		104790	5.00000	6.0730	
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)		777921	5.00000		
64 Chlorobenzene	112	9.471	9.471 (1.004)		595957	5.00000	6.1517	
65 Ethylbenzene	91	9.625	9.625 (1.020)		1016526	5.00000	6.1043	
67 m+p-Xylenes	106	9.755	9.755 (1.034)		417644	5.00000	6.1942	
68 o-Xylene	106	10.181	10.181 (1.079)		411328	5.00000	6.2021	
69 Styrene	104	10.193	10.193 (1.080)		652464	5.00000	6.2769	
70 Bromoform	173	10.370	10.370 (0.888)		59412	5.00000	5.5706	
71 Isopropylbenzene	105	10.548	10.548 (1.118)		1044747	5.00000	6.1374	
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)		105429	5.00000	4.7953	
74 1,1,2,2-Tetrachloroethane	83	10.856	10.856 (1.150)		124128	5.00000	6.2371	
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.995)		484055	5.00000	5.9912	
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672 (1.000)		411416	5.00000		
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.001)		478859	5.00000	5.9294	
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.024)		213323	5.00000	4.5968	
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.025)		402458	5.00000	5.9888	
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.075)		14227	5.00000	5.3545	
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.124)		227539	5.00000	4.8680	
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.152)		162590	5.00000	4.5477	

Data File: \\Organics\\DD\\chem\\msd8.i\\8feb0912B.b\\80209a25.D
Date : 09-FEB-2012 16:07
Client ID: VSTD005MG
Sample Info: 8feb0912.b, VSTD005MG
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: BM
Column diameter: 0.18

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7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/10/2012 Time: 0402

Lab File ID: 80209B24

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005M1

Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.2218	0.2588	0.0100	16.7	40.0
Chloromethane	0.2557	0.2702	0.0100	5.7	40.0
Vinyl chloride	0.2528	0.2622	0.1000	3.7	30.0
Bromomethane	0.1443	0.1462	0.1000	1.3	30.0
Chloroethane	0.1330	0.1413	0.0100	6.3	40.0
Trichlorofluoromethane	0.2791	0.2939	0.0100	5.3	40.0
1,1-Dichloroethene	0.1968	0.2071	0.1000	5.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1979	0.2126	0.0100	7.4	40.0
Acetone	0.0206	0.0208	0.0100	0.9	40.0
Carbon Disulfide	0.5901	0.6491	0.0100	10.0	40.0
Methyl acetate	0.0638	0.0628	0.0100	-1.5	40.0
Methylene chloride	0.2091	0.2017	0.0100	-3.6	40.0
trans-1,2-Dichloroethene	0.2184	0.2252	0.0100	3.1	40.0
Methyl tert-butyl ether	0.3520	0.3761	0.0100	6.8	40.0
1,1-Dichloroethane	0.3777	0.3830	0.2000	1.4	30.0
cis-1,2-Dichloroethene	0.2221	0.2336	0.0100	5.2	40.0
2-Butanone	0.0377	0.0400	0.0100	6.2	40.0
Bromoform	0.0810	0.0857	0.0500	5.9	30.0
Chloroform	0.3404	0.3499	0.2000	2.8	30.0
1,1,1-Trichloroethane	0.3003	0.3082	0.1000	2.6	30.0
Cyclohexane	0.4506	0.4299	0.0100	-4.6	40.0
Carbon tetrachloride	0.2514	0.2548	0.1000	1.3	30.0
Benzene	0.8777	0.8863	0.4000	1.0	30.0
1,2-Dichloroethane	0.1619	0.1614	0.1000	-0.3	30.0
Trichloroethene	0.2294	0.2318	0.3000	1.1	30.0
Methylcyclohexane	0.4834	0.5075	0.0100	5.0	40.0

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/10/2012 Time: 0402

Lab File ID: 80209B24

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005M1

Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.2004	0.2030	0.0100	1.3	40.0
Bromodichloromethane	0.2147	0.2140	0.2000	-0.3	30.0
cis-1,3-Dichloropropene	0.2757	0.2712	0.2000	-1.6	30.0
4-Methyl-2-pentanone	0.1086	0.1018	0.0100	-6.3	40.0
Toluene	0.9113	0.9290	0.4000	1.9	30.0
trans-1,3-Dichloropropene	0.2042	0.1999	0.1000	-2.1	30.0
1,1,2-Trichloroethane	0.1161	0.1177	0.1000	1.4	30.0
Tetrachloroethene	0.1919	0.1990	0.1000	3.7	30.0
2-Hexanone	0.0764	0.0703	0.0100	-7.9	40.0
Dibromochloromethane	0.1330	0.1352	0.1000	1.7	30.0
1,2-Dibromoethane	0.1109	0.1133	0.0100	2.1	40.0
Chlorobenzene	0.6227	0.6393	0.5000	2.7	30.0
Ethylbenzene	1.0703	1.0829	0.1000	1.2	30.0
o-Xylene	0.4263	0.4373	0.3000	2.6	30.0
m,p-Xylene	0.4334	0.4471	0.3000	3.2	30.0
Styrene	0.6681	0.7003	0.3000	4.8	30.0
Bromoform	0.1296	0.1261	0.0500	-2.7	30.0
Isopropylbenzene	1.0941	1.1151	0.0100	1.9	40.0
1,1,2,2-Tetrachloroethane	0.1279	0.1283	0.1000	0.3	30.0
1,3-Dichlorobenzene	0.9819	1.0046	0.4000	2.3	30.0
1,4-Dichlorobenzene	0.9815	0.9774	0.4000	-0.4	30.0
1,2-Dichlorobenzene	0.8167	0.8220	0.4000	0.7	30.0
1,2-Dibromo-3-chloropropane	0.0323	0.0281	0.0100	-13.0	40.0
1,2,4-Trichlorobenzene	0.5681	0.4591	0.2000	-19.2	30.0
1,2,3-Trichlorobenzene	0.4345	0.3313	0.2000	-23.8	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8 Calibration Date: 02/10/2012 Time: 0402

Lab File ID: 80209B24

Init. Calib. Date(s): 02/08/2012 02/08/2012

EPA Sample No. (VSTD#####): VSTD005M1

Init. Calib. Time(s): 1729 1856

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF <u>5.0</u>	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.2202	0.2800	0.0100	27.2	30.0
Chloroethane-d5	0.1721	0.2142	0.0100	24.4	40.0
1,1-Dichloroethene-d2	0.4006	0.5005	0.0100	24.9	30.0
2-Butanone-d5	0.0411	0.0651	0.0100	58.3	40.0
Chloroform-d	0.3617	0.4672	0.0100	29.2	30.0
1,2-Dichloroethane-d4	0.1397	0.1698	0.0100	21.5	30.0
Benzene-d6	0.9158	1.1742	0.0100	28.2	30.0
1,2-Dichloropropane-d6	0.2723	0.3355	0.0100	23.2	40.0
Toluene-d8	0.8329	1.0658	0.0100	28.0	30.0
trans-1,3-Dichloropropene-d4	0.2012	0.2437	0.0100	21.1	30.0
2-Hexanone-d5	0.0440	0.0652	0.0100	48.3	40.0
1,1,2,2-Tetrachloroethane-d2	0.1413	0.1786	0.0100	26.4	30.0
1,2-Dichlorobenzene-d4	0.5640	0.6936	0.0100	23.0	30.0

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B24.D
Lab Smp Id: VSTD005M1 Client Smp ID: VSTD005M1
Inj Date : 10-FEB-2012 04:02
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, VSTD005M1
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8e.m
Meth Date : 17-Feb-2012 16:27 khinshaw Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 76 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)		217563	5.00000	5.8351
2 Chloromethane	50	1.295	1.295 (0.233)		227144	5.00000	5.2833
\$ 3 Vinyl Chloride-d3	65	1.366	1.366 (0.246)		235390	5.00000	6.3597
4 Vinyl Chloride	62	1.366	1.366 (0.246)		220391	5.00000	5.1850
5 Bromomethane	94	1.579	1.579 (0.284)		122851	5.00000	5.0627
\$ 6 Chloroethane-d5	69	1.626	1.626 (0.293)		180064	5.00000	6.2220
7 Chloroethane	64	1.650	1.650 (0.297)		118784	5.00000	5.3127
8 Trichlorofluoromethane	101	1.815	1.815 (0.327)		247066	5.00000	5.2646
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)		420711	5.00000	6.2466
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)		174070	5.00000	5.2602
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.182 (0.393)		178680	5.00000	5.3701
14 Acetone	43	2.194	2.194 (0.395)		175116	50.0000	50.4485
15 Carbon Disulfide	76	2.336	2.336 (0.421)		545600	5.00000	5.4997
16 Methyl Acetate	43	2.785	2.785 (0.502)		52808	5.00000	4.9254
17 Methylene Chloride	84	2.549	2.549 (0.459)		169503	5.00000	4.8209
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)		316176	5.00000	5.3423
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)		189303	5.00000	5.1547
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)		321949	5.00000	5.0701
\$ 25 2-Butanone-d5	46	3.886	3.886 (0.700)		547086	50.0000	79.1530
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)		196377	5.00000	5.2605
28 2-Butanone	43	3.969	3.969 (0.715)		336551	50.0000	53.1003
29 Bromochloromethane	128	4.241	4.241 (0.764)		72040	5.00000	5.2934
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)		392752	5.00000	6.4594
31 Chloroform	83	4.347	4.347 (0.783)		294135	5.00000	5.1401

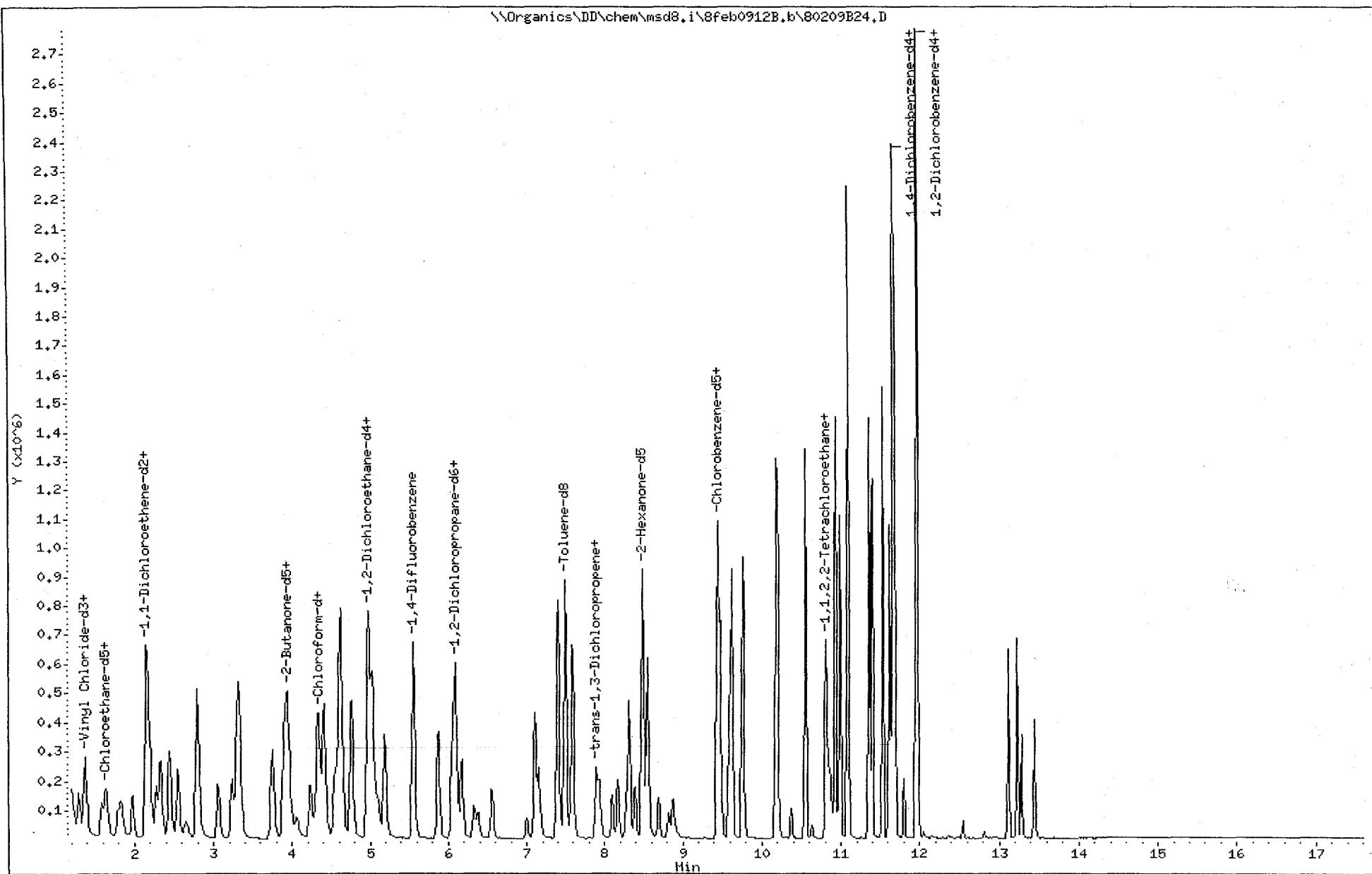
Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)
33 1,1,1-Trichloroethane	97	4.549	4.549 (0.482)	239828	5.00000	5.1306	
32 Cyclohexane	56	4.608	4.608 (0.488)	334529	5.00000	4.7698	
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)	198244	5.00000	5.0670	
\$ 38 1,2-Dichloroethane-d4	65	4.963	4.963 (0.893)	142745	5.00000	6.0764	
\$ 36 Benzene-d6	84	4.975	4.975 (0.527)	913710	5.00000	6.4102	
37 Benzene	78	5.022	5.022 (0.532)	689717	5.00000	5.0492	
39 1,2-Dichloroethane	62	5.069	5.069 (0.913)	135678	5.00000	4.9849	
* 41 1,4-Difluorobenzene	114	5.554	5.554 (1.000)	840572	5.00000	5.0528	
42 Trichloroethene	95	5.874	5.874 (0.623)	180403	5.00000	5.1612	
\$ 44 1,2-Dichloropropane-d6	67	6.051	6.051 (0.641)	261109	5.00000	5.2493	
43 Methylcyclohexane	83	6.087	6.087 (0.645)	394907	5.00000	5.0627	
45 1,2-Dichloropropane	63	6.170	6.170 (0.654)	157935	5.00000	4.9834	
49 Bromodichloromethane	83	6.548	6.548 (0.694)	166513	5.00000	4.9181	
50 cis-1,3-Dichloropropene	75	7.152	7.152 (0.758)	211052	5.00000	46.8616	
51 4-Methyl-2-pentanone	43	7.400	7.400 (0.784)	792411	50.0000		
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)	829382	5.00000	6.3977	
53 Toluene	91	7.578	7.578 (0.803)	722897	5.00000	5.0968	
\$ 54 trans-1,3-Dichloropropene-d4	79	7.897	7.897 (0.837)	189623	5.00000	6.0560	
55 trans-1,3-Dichloropropene	75	7.933	7.933 (0.841)	155571	5.00000	4.8946	
56 1,1,2-Trichloroethane	97	8.169	8.169 (0.866)	91563	5.00000	5.0683	
57 Tetrachloroethene	164	8.311	8.311 (0.881)	154856	5.00000	5.1842	
\$ 58 2-Hexanone-d5	63	8.489	8.489 (0.900)	507438	50.0000	74.1487	
60 2-Hexanone	43	8.548	8.548 (0.906)	547099	50.0000	46.0261	
61 Dibromochloromethane	129	8.690	8.690 (0.921)	105200	5.00000	5.0825	
62 1,2-Dibromoethane	107	8.820	8.820 (0.935)	88159	5.00000	5.1074	
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)	778186	5.00000	5.1333	
64 Chlorobenzene	112	9.471	9.471 (1.004)	497473	5.00000	5.0587	
65 Ethylbenzene	91	9.625	9.625 (1.020)	842697	5.00000	5.1585	
67 m+p-Xylenes	106	9.755	9.755 (1.034)	347933	5.00000	5.1294	
68 o-Xylene	106	10.181	10.181 (1.079)	340306	5.00000		
69 Styrene	104	10.193	10.193 (1.080)	544989	5.00000	5.2412	
70 Bromoform	173	10.370	10.370 (0.888)	51410	5.00000	4.8644	
71 Isopropylbenzene	105	10.548	10.548 (1.118)	867781	5.00000	5.0960	
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.832 (1.148)	138983	5.00000	6.3193	
74 1,1,2,2-Tetrachloroethane	83	10.856	10.856 (1.150)	99811	5.00000	5.0135	
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.995)	409540	5.00000	5.1153	
* 85 1,4-Dichlorobenzene-d4	152	11.672	11.672 (1.000)	407684	5.00000	4.9793	
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.001)	398480	5.00000		
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.024)	282780	5.00000	6.1493	
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.025)	335136	5.00000	5.0327	
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.075)	11459	5.00000	4.3522	
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.124)	187157	5.00000	4.0407	
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.152)	135064	5.00000	3.8124	

Data File: \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B24.D
Date : 10-FEB-2012 04:02
Client ID: VSTD005M1
Sample Info: 8feb0912B.b, VSTD005M1
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJC
Column diameter: 0.18

Page 3

205 of 502



7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8 Calibration Date: 02/15/2012 Time: 0925

Lab File ID: 80215b02 Init. Calib. Date(s): 02/10/2012 02/10/2012

EPA Sample No. (VSTD#####): VSTD005OB Init. Calib. Time(s): 1348 1516

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.3345	0.4116	0.0100	23.1	40.0
Chloromethane	0.4615	0.4177	0.0100	-9.5	40.0
Vinyl chloride	0.3377	0.3207	0.1000	-5.0	30.0
Bromomethane	0.1607	0.1690	0.1000	5.2	30.0
Chloroethane	0.1823	0.1617	0.0100	-11.3	40.0
Trichlorodifluoromethane	0.3835	0.4934	0.0100	28.7	40.0
1,1-Dichloroethene	0.2723	0.2643	0.1000	-3.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2616	0.2638	0.0100	0.8	40.0
Acetone	0.0265	0.0338	0.0100	27.7	40.0
Carbon Disulfide	0.8794	0.7270	0.0100	-17.3	40.0
Methyl acetate	0.1253	0.1637	0.0100	30.7	40.0
Methylene chloride	0.2942	0.2633	0.0100	-10.5	40.0
trans-1,2-Dichloroethene	0.3067	0.2973	0.0100	-3.1	40.0
Methyl tert-butyl ether	0.5245	0.6054	0.0100	15.4	40.0
1,1-Dichloroethane	0.5710	0.5758	0.2000	0.8	30.0
cis-1,2-Dichloroethene	0.3142	0.2984	0.0100	-5.0	40.0
2-Butanone	0.0563	0.0543	0.0100	-3.5	40.0
Bromochloromethane	0.1056	0.1146	0.0500	8.6	30.0
Chloroform	0.4899	0.5536	0.2000	13.0	30.0
1,1,1-Trichloroethane	0.4379	0.5576	0.1000	27.3	30.0
Cyclohexane	0.6964	0.6953	0.0100	-0.2	40.0
Carbon tetrachloride	0.3456	0.4723	0.1000	36.6	30.0
Benzene	1.2431	1.2042	0.4000	-3.1	30.0
1,2-Dichloroethane	0.2661	0.3474	0.1000	30.6	30.0
Trichloroethene	0.3276	0.3418	0.3000	4.3	30.0
Methylcyclohexane	0.6176	0.6635	0.0100	7.4	40.0

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8 Calibration Date: 02/15/2012 Time: 0925

Lab File ID: 80215b02 Init. Calib. Date(s): 02/10/2012 02/10/2012

EPA Sample No. (VSTD#####): VSTD005OB Init. Calib. Time(s): 1348 1516

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3000	0.3011	0.0100	0.4	40.0
Bromodichloromethane	0.3216	0.3810	0.2000	18.5	30.0
cis-1,3-Dichloropropene	0.4037	0.4462	0.2000	10.5	30.0
4-Methyl-2-pentanone	0.1764	0.1665	0.0100	-5.6	40.0
Toluene	1.2900	1.3134	0.4000	1.8	30.0
trans-1,3-Dichloropropene	0.3049	0.3721	0.1000	22.1	30.0
1,1,2-Trichloroethane	0.1676	0.1765	0.1000	5.3	30.0
Tetrachloroethene	0.2435	0.2661	0.1000	9.3	30.0
2-Hexanone	0.1255	0.1175	0.0100	-6.4	40.0
Dibromochloromethane	0.1807	0.2254	0.1000	24.7	30.0
1,2-Dibromoethane	0.1541	0.1730	0.0100	12.3	40.0
Chlorobenzene	0.8287	0.8681	0.5000	4.7	30.0
Ethylbenzene	1.4985	1.6086	0.1000	7.3	30.0
o-Xylene	0.5706	0.6071	0.3000	6.4	30.0
m,p-Xylene	0.5863	0.6280	0.3000	7.1	30.0
Styrene	0.9097	0.9884	0.3000	8.6	30.0
Bromoform	0.1903	0.2265	0.0500	19.1	30.0
Isopropylbenzene	1.4395	1.6279	0.0100	13.1	40.0
1,1,2,2-Tetrachloroethane	0.1711	0.1948	0.1000	13.8	30.0
1,3-Dichlorobenzene	1.2964	1.3230	0.4000	2.1	30.0
1,4-Dichlorobenzene	1.2698	1.3320	0.4000	4.9	30.0
1,2-Dichlorobenzene	1.0152	1.0839	0.4000	6.8	30.0
1,2-Dibromo-3-chloropropane	0.0430	0.0585	0.0100	36.2	40.0
1,2,4-Trichlorobenzene	0.5921	0.6526	0.2000	10.2	30.0
1,2,3-Trichlorobenzene	0.4287	0.4533	0.2000	5.7	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/15/2012 Time: 0925

Lab File ID: 80215b02

Init. Calib. Date(s): 02/10/2012 02/10/2012

EPA Sample No. (VSTD#####): VSTD005OB

Init. Calib. Time(s): 1348 1516

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.2321	0.2413	0.0100	3.9	30.0
Chloroethane-d5	0.1760	0.1726	0.0100	-2.0	40.0
1,1-Dichloroethene-d2	0.5466	0.5989	0.0100	9.6	30.0
2-Butanone-d5	0.0729	0.0647	0.0100	-11.2	40.0
Chloroform-d	0.4712	0.5473	0.0100	16.1	30.0
1,2-Dichloroethane-d4	0.1887	0.2551	0.0100	35.2	30.0
Benzene-d6	1.1432	1.1573	0.0100	1.2	30.0
1,2-Dichloropropane-d6	0.3406	0.3377	0.0100	-0.9	40.0
Toluene-d8	1.0242	1.0934	0.0100	6.8	30.0
trans-1,3-Dichloropropene-d4	0.2690	0.3230	0.0100	20.1	30.0
2-Hexanone-d5	0.0688	0.0598	0.0100	-13.2	40.0
1,1,2,2-Tetrachloroethane-d2	0.1699	0.1919	0.0100	13.0	30.0
1,2-Dichlorobenzene-d4	0.6324	0.6908	0.0100	9.2	30.0

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b02.D
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 Inj Date : 15-FEB-2012 09:25
 Operator : DLB Inst ID: msd8.i
 Smp Info : 8feb1512b.b, VSTD005OB
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd8.i\8feb1512b.b\TRACE-8.m
 Meth Date : 16-Feb-2012 08:50 dlb Quant Type: ISTD
 Cal Date : 10-FEB-2012 15:16 Cal File: 80210c06.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	ON-COL
1 Dichlorodifluoromethane	85	1.212	1.212 (0.219)		180978	5.00000	6.1535	
2 Chloromethane	50	1.295	1.295 (0.234)		183628	5.00000	4.5249	
\$ 3 Vinyl Chloride-d3	65	1.366	1.366 (0.246)		106090	5.00000	5.1973	
4 Vinyl Chloride	62	1.366	1.366 (0.246)		141011	5.00000	4.7489	
5 Bromomethane	94	1.579	1.579 (0.285)		74317	5.00000	5.2608	
\$ 6 Chloroethane-d5	69	1.626	1.626 (0.293)		75878	5.00000	4.9016	
7 Chloroethane	64	1.650	1.650 (0.298)		71109	5.00000	4.4348	
8 Trichlorodifluoromethane	101	1.792	1.792 (0.323)		216948	5.00000	6.4341	
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)		263331	5.00000	5.4788	
13 1,1-Dichloroethene	96	2.147	2.147 (0.387)		116182	5.00000	4.8513(M)	SAF DFB DLB 02/18/12
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.182 (0.394)		115973	5.00000	5.0410	
14 Acetone	43	2.194	2.194 (0.396)		148544	50.0000	63.8279	
15 Carbon Disulfide	76	2.324	2.324 (0.419)		319652	5.00000	4.1335	
16 Methyl Acetate	43	2.785	2.785 (0.503)		71974	5.00000	6.5337	
17 Methylene Chloride	84	2.549	2.549 (0.460)		115773	5.00000	4.4751	
20 Methyl tert-Butyl Ether	73	2.785	2.785 (0.503)		266169	5.00000	5.7709	
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.505)		130690	5.00000	4.8454	
23 1,1-Dichloroethane	63	3.223	3.223 (0.582)		253170	5.00000	5.0424	
\$ 25 2-Butanone-d5	46	3.886	3.886 (0.701)		284648	50.0000	44.4157	
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.710)		131195	5.00000	4.7491	
28 2-Butanone	43	3.957	3.957 (0.714)		238692	50.0000	48.2406	
29 Bromochloromethane	128	4.229	4.229 (0.763)		50404	5.00000	5.4280	
\$ 30 Chloroform-d	84	4.312	4.312 (0.778)		240629	5.00000	5.8073	
31 Chloroform	83	4.336	4.336 (0.782)		243380	5.00000	5.6500	

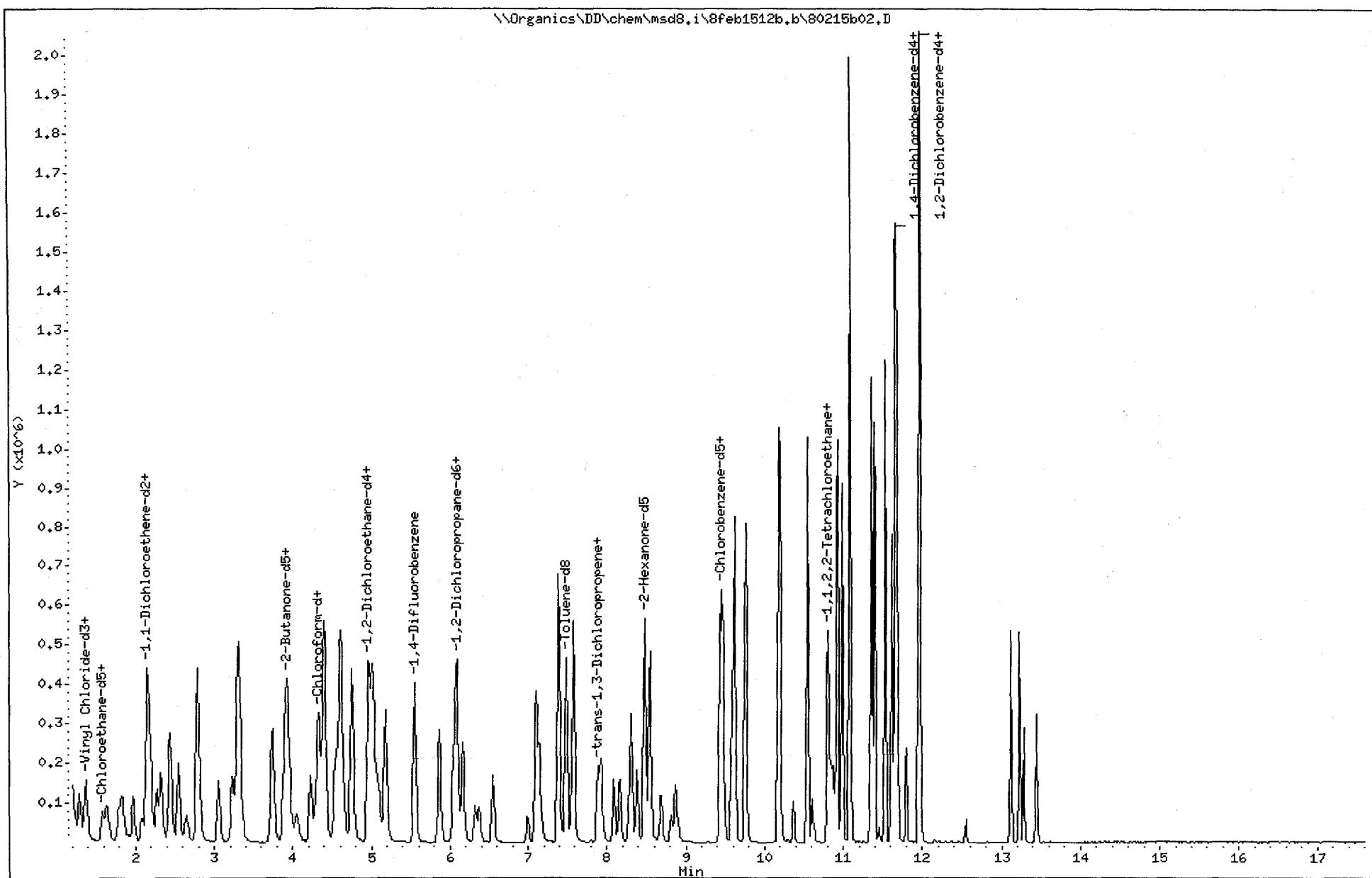
Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
33 1,1,1-Trichloroethane	97	4.537	4.537 (0.481)	218621	5.00000	6.3669		
32 Cyclohexane	56	4.596	4.596 (0.487)	272610	5.00000	4.9919(M)	SAP for DUB M/18/12	
34 Carbon Tetrachloride	117	4.750	4.750 (0.503)	185160	5.00000	6.8320		
\$ 38 1,2-Dichloroethane-d4	65	4.963	4.963 (0.895)	112160	5.00000	6.7596		
\$ 36 Benzene-d6	84	4.963	4.963 (0.526)	453737	5.00000	5.0618		
37 Benzene	78	5.022	5.022 (0.532)	472136	5.00000	4.8435		
39 1,2-Dichloroethane	62	5.057	5.057 (0.912)	152752	5.00000	6.5287		
* 41 1,4-Difluorobenzene	114	5.543	5.543 (1.000)	439663	5.00000			
42 Trichloroethene	95	5.862	5.862 (0.621)	133998	5.00000	5.2159		
\$ 44 1,2-Dichloropropane-d6	67	6.040	6.040 (0.640)	132406	5.00000	4.9574		
43 Methylcyclohexane	83	6.087	6.087 (0.645)	260126	5.00000	5.3712		
45 1,2-Dichloropropane	63	6.158	6.158 (0.653)	118069	5.00000	5.0187		
49 Bromodichloromethane	83	6.548	6.548 (0.694)	149378	5.00000	5.9233		
50 cis-1,3-Dichloropropene	75	7.152	7.152 (0.758)	174945	5.00000	5.5264		
51 4-Methyl-2-pentanone	43	7.388	7.388 (0.783)	652724	50.0000	47.1960		
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)	428669	5.00000	5.3377		
53 Toluene	91	7.578	7.578 (0.803)	514953	5.00000	5.0907		
\$ 54 trans-1,3-Dichloropropene-d4	79	7.885	7.885 (0.836)	126637	5.00000	6.0045		
55 trans-1,3-Dichloropropene	75	7.921	7.921 (0.839)	145892	5.00000	6.1027		
56 1,1,2-Trichloroethane	97	8.169	8.169 (0.866)	69209	5.00000	5.2649		
57 Tetrachloroethene	164	8.311	8.311 (0.881)	104346	5.00000	5.4659		
\$ 58 2-Hexanone-d5	63	8.477	8.477 (0.898)	234302	50.0000	43.4209		
60 2-Hexanone	43	8.548	8.548 (0.906)	460661	50.0000	46.8022		
61 Dibromochloromethane	129	8.690	8.690 (0.921)	88354	5.00000	6.2370		
62 1,2-Dibromoethane	107	8.808	8.808 (0.934)	67819	5.00000	5.6136		
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)	392062	5.00000			
64 Chlorobenzene	112	9.471	9.471 (1.004)	340337	5.00000	5.2372		
65 Ethylbenzene	91	9.613	9.613 (1.019)	630673	5.00000	5.3673		
67 m+p-Xylenes	106	9.755	9.755 (1.034)	246199	5.00000	5.3555		
68 o-Xylene	106	10.169	10.169 (1.078)	238021	5.00000	5.3199		
69 Styrene	104	10.193	10.193 (1.080)	387498	5.00000	5.4322		
70 Bromoform	173	10.370	10.370 (0.889)	48107	5.00000	5.9525		
71 Isopropylbenzene	105	10.548	10.548 (1.118)	638239	5.00000	5.6543		
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.820	10.820 (1.147)	75231	5.00000	5.6477		
74 1,1,2,-Tetrachloroethane	83	10.844	10.844 (1.149)	76361	5.00000	5.6906		
83 1,3-Dichlorobenzene	146	11.613	11.613 (0.996)	280950	5.00000	5.1026		
* 85 1,4-Dichlorobenzene-d4	152	11.660	11.660 (1.000)	212361	5.00000			
86 1,4-Dichlorobenzene	146	11.684	11.684 (1.002)	282871	5.00000	5.2450		
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.025)	146697	5.00000	5.4615		
89 1,2-Dichlorobenzene	146	11.968	11.968 (1.026)	230183	5.00000	5.3382		
90 1,2-Dibromo-3-chloropropane	75	12.548	12.548 (1.076)	12424	5.00000	6.8094		
91 1,2,4-Trichlorobenzene	180	13.116	13.116 (1.125)	138580	5.00000	5.5103		
94 1,2,3-Trichlorobenzene	180	13.447	13.447 (1.153)	96269	5.00000	5.2870		

QC Flag Legend

M - Compound response manually integrated.

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Date : 15-FEB-2012 09:25
Client ID: VSTD0050B
Sample Info: 8feb1512b.b, VSTD0050B
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18



Data File Name: 80215b02.D

Inj. Date and Time: 15-FEB-2012 09:25

Instrument ID: msd8.i

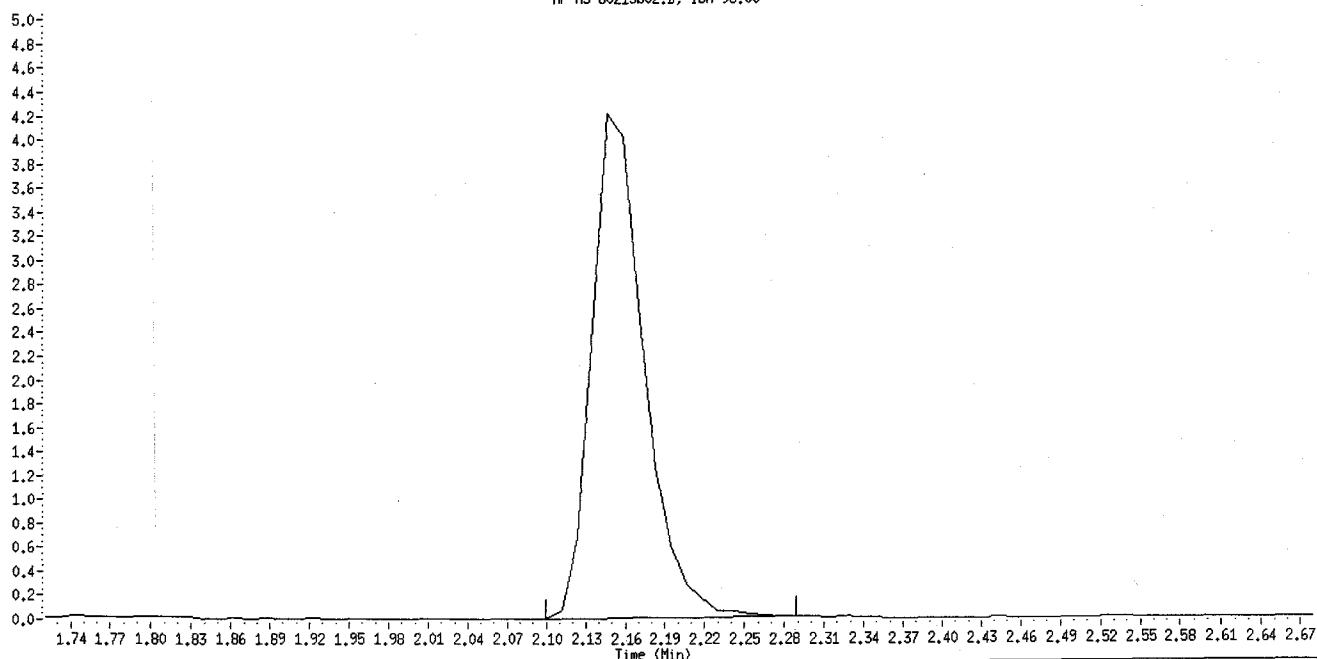
Client ID: VSTD005OB

Compound Name: 1,1-Dichloroethene

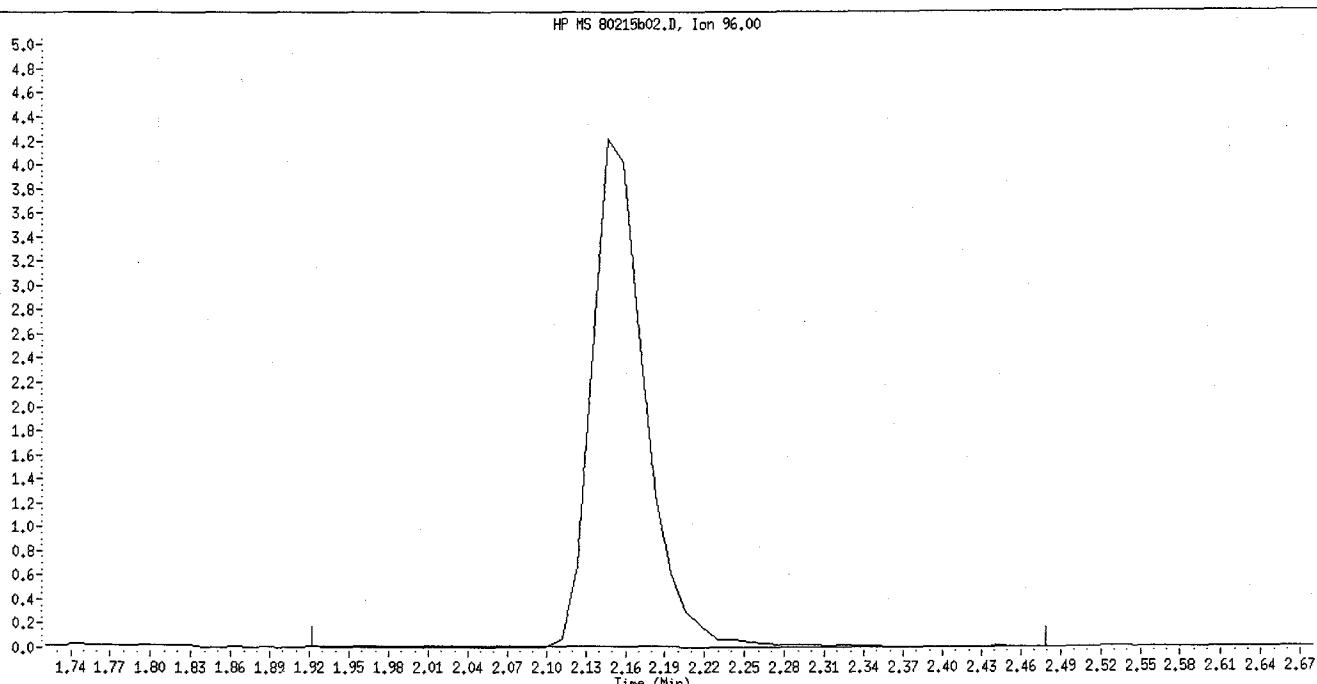
CAS #: 75-35-4

Report Date: 02/16/2012

HP MS 80215b02.D, Ion 96.00



Original Integration



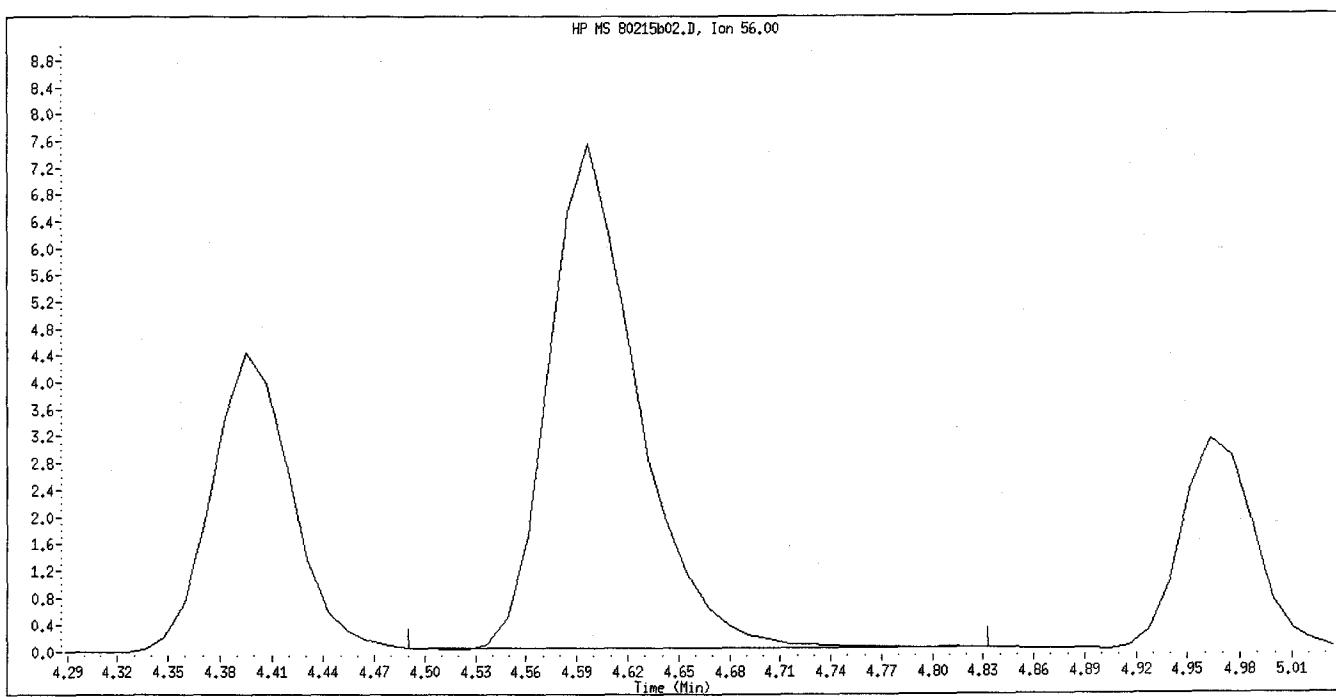
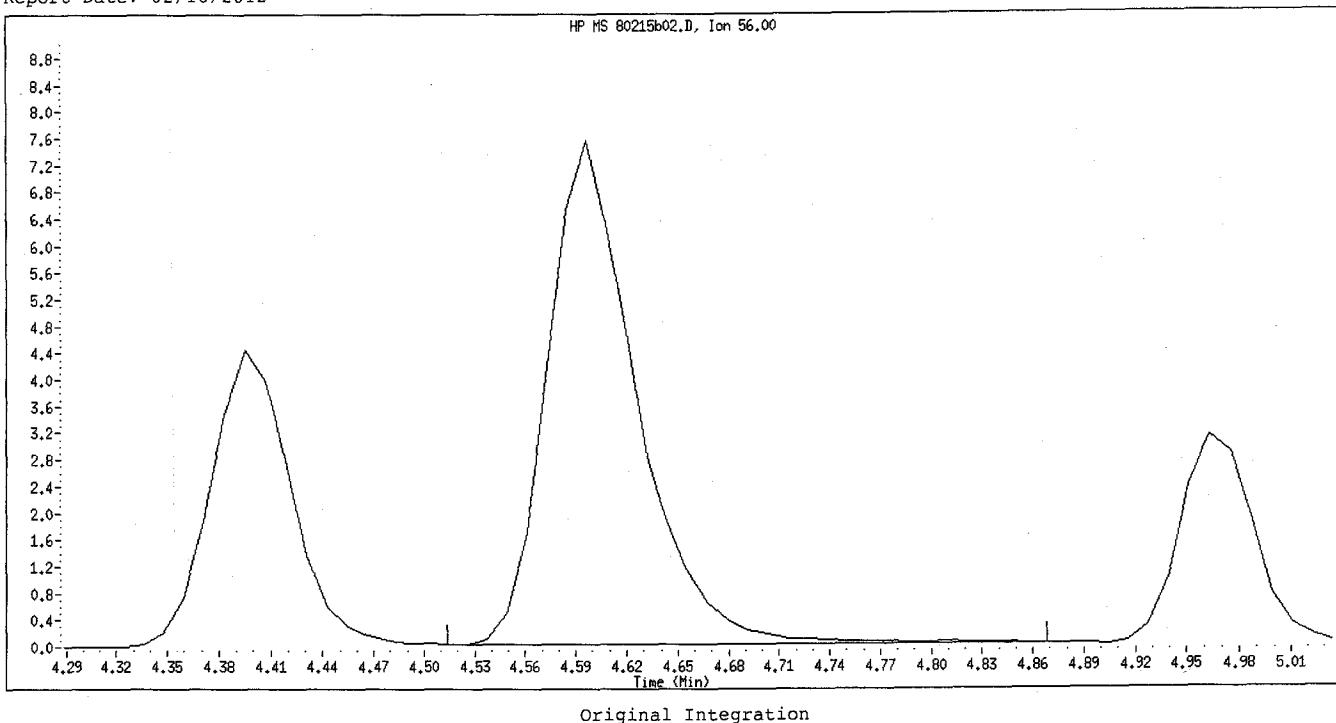
Manual Integration

Manually Integrated By: DLB

Manual Integration Reason: Unknown

SN for DLB 02/18/12

Data File Name: 80215b02.D
Inj. Date and Time: 15-FEB-2012 09:25
Instrument ID: msd8.i
Client ID: VSTD005OB
Compound Name: Cyclohexane
CAS #: 110-82-7
Report Date: 02/16/2012



Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

SN for DLB 01/18/12

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/15/2012 Time: 1741

Lab File ID: 80215b23

Init. Calib. Date(s): 02/10/2012 02/10/2012

EPA Sample No. (VSTD#####): VSTD005ZX

Init. Calib. Time(s): 1348 1516

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.3345	0.4156	0.0100	24.3	40.0
Chloromethane	0.4615	0.4230	0.0100	-8.3	40.0
Vinyl chloride	0.3377	0.3188	0.1000	-5.6	30.0
Bromomethane	0.1607	0.1581	0.1000	-1.6	30.0
Chloroethane	0.1823	0.1629	0.0100	-10.7	40.0
Trichlorofluoromethane	0.3835	0.4953	0.0100	29.2	40.0
1,1-Dichloroethene	0.2723	0.2804	0.1000	3.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2616	0.2761	0.0100	5.5	40.0
Acetone	0.0265	0.0326	0.0100	23.3	40.0
Carbon Disulfide	0.8794	0.7235	0.0100	-17.7	40.0
Methyl acetate	0.1253	0.1580	0.0100	26.1	40.0
Methylene chloride	0.2942	0.2633	0.0100	-10.5	40.0
trans-1,2-Dichloroethene	0.3067	0.3060	0.0100	-0.2	40.0
Methyl tert-butyl ether	0.5245	0.5982	0.0100	14.1	40.0
1,1-Dichloroethane	0.5710	0.5982	0.2000	4.8	30.0
cis-1,2-Dichloroethene	0.3142	0.3226	0.0100	2.7	40.0
2-Butanone	0.0563	0.0512	0.0100	-8.9	40.0
Bromochloromethane	0.1056	0.1143	0.0500	8.3	30.0
Chloroform	0.4899	0.5894	0.2000	20.3	30.0
1,1,1-Trichloroethane	0.4379	0.5846	0.1000	33.5	30.0
Cyclohexane	0.6964	0.7306	0.0100	4.9	40.0
Carbon tetrachloride	0.3456	0.4824	0.1000	39.6	30.0
Benzene	1.2431	1.2883	0.4000	3.6	30.0
1,2-Dichloroethane	0.2661	0.3585	0.1000	34.7	30.0
Trichloroethene	0.3276	0.3821	0.3000	16.6	30.0
Methylcyclohexane	0.6176	0.6780	0.0100	9.8	40.0

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/15/2012 Time: 1741

Lab File ID: 80215b23

Init. Calib. Date(s): 02/10/2012 02/10/2012

EPA Sample No. (VSTD#####): VSTD005ZX

Init. Calib. Time(s): 1348 1516

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3000	0.3080	0.0100	2.6	40.0
Bromodichloromethane	0.3216	0.3987	0.2000	24.0	30.0
cis-1,3-Dichloropropene	0.4037	0.4413	0.2000	9.3	30.0
4-Methyl-2-pentanone	0.1764	0.1658	0.0100	-6.0	40.0
Toluene	1.2900	1.4018	0.4000	8.7	30.0
trans-1,3-Dichloropropene	0.3049	0.3632	0.1000	19.1	30.0
1,1,2-Trichloroethane	0.1676	0.1778	0.1000	6.0	30.0
Tetrachloroethene	0.2435	0.2828	0.1000	16.1	30.0
2-Hexanone	0.1255	0.1151	0.0100	-8.3	40.0
Dibromochloromethane	0.1807	0.2153	0.1000	19.2	30.0
1,2-Dibromoethane	0.1541	0.1732	0.0100	12.4	40.0
Chlorobenzene	0.8287	0.9137	0.5000	10.3	30.0
Ethylbenzene	1.4985	1.6951	0.1000	13.1	30.0
o-Xylene	0.5706	0.6432	0.3000	12.7	30.0
m,p-Xylene	0.5863	0.6556	0.3000	11.8	30.0
Styrene	0.9097	1.0355	0.3000	13.8	30.0
Bromoform	0.1903	0.1873	0.0500	-1.5	30.0
Isopropylbenzene	1.4395	1.6795	0.0100	16.7	40.0
1,1,2,2-Tetrachloroethane	0.1711	0.1857	0.1000	8.5	30.0
1,3-Dichlorobenzene	1.2964	1.3781	0.4000	6.3	30.0
1,4-Dichlorobenzene	1.2698	1.3527	0.4000	6.5	30.0
1,2-Dichlorobenzene	1.0152	1.0969	0.4000	8.0	30.0
1,2-Dibromo-3-chloropropane	0.0430	0.0565	0.0100	31.5	40.0
1,2,4-Trichlorobenzene	0.5921	0.6067	0.2000	2.5	30.0
1,2,3-Trichlorobenzene	0.4287	0.4152	0.2000	-3.1	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD8

Calibration Date: 02/15/2012 Time: 1741

Lab File ID: 80215b23

Init. Calib. Date(s): 02/10/2012 02/10/2012

EPA Sample No. (VSTD#####): VSTD005ZX

Init. Calib. Time(s): 1348 1516

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.2321	0.2248	0.0100	-3.1	30.0
Chloroethane-d5	0.1760	0.1619	0.0100	-8.0	40.0
1,1-Dichloroethene-d2	0.5466	0.6270	0.0100	14.7	30.0
2-Butanone-d5	0.0729	0.0610	0.0100	-16.3	40.0
Chloroform-d	0.4712	0.5653	0.0100	20.0	30.0
1,2-Dichloroethane-d4	0.1887	0.2595	0.0100	37.5	30.0
Benzene-d6	1.1432	1.2355	0.0100	8.1	30.0
1,2-Dichloropropane-d6	0.3406	0.3482	0.0100	2.2	40.0
Toluene-d8	1.0242	1.1418	0.0100	11.5	30.0
trans-1,3-Dichloropropene-d4	0.2690	0.3106	0.0100	15.5	30.0
2-Hexanone-d5	0.0688	0.0529	0.0100	-23.1	40.0
1,1,2,2-Tetrachloroethane-d2	0.1699	0.1834	0.0100	8.0	30.0
1,2-Dichlorobenzene-d4	0.6324	0.7030	0.0100	11.2	30.0

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b23.D
Lab Smp Id: VSTD005ZX Client Smp ID: VSTD005ZX
Inj Date : 15-FEB-2012 17:41
Operator : DLB Inst ID: msd8.i
Smp Info : 8feb1512b.b, VSTD005ZX
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb1512b.b\TRACE-8e.m
Meth Date : 18-Feb-2012 16:39 joj Quant Type: ISTD
Cal Date : 10-FEB-2012 15:16 Cal File: 80210c06.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.212	1.212 (0.218)	161269	5.00000	5.00000	6.2134
2 Chloromethane	50	1.295	1.295 (0.233)	164145	5.00000	5.00000	4.5833
\$ 3 Vinyl Chloride-d3	65	1.366	1.366 (0.246)	87241	5.00000	5.00000	4.8430
4 Vinyl Chloride	62	1.366	1.366 (0.246)	123702	5.00000	5.00000	4.7206
5 Bromomethane	94	1.579	1.579 (0.284)	61334	5.00000	5.00000	4.9198
\$ 6 Chloroethane-d5	69	1.638	1.638 (0.295)	62827	5.00000	5.00000	4.5988
7 Chloroethane	64	1.650	1.650 (0.297)	63215	5.00000	5.00000	4.4674
8 Trichlorofluoromethane	101	1.827	1.827 (0.329)	192181	5.00000	5.00000	6.4584
\$ 12 1,1-Dichloroethene-d2	63	2.147	2.147 (0.387)	243274	5.00000	5.00000	5.7354
13 1,1-Dichloroethene	96	2.158	2.158 (0.389)	108798	5.00000	5.00000	5.1478
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.182	2.182 (0.393)	107139	5.00000	5.00000	5.2770
14 Acetone	43	2.194	2.194 (0.395)	126569	50.0000	50.0000	61.6263
15 Carbon Disulfide	76	2.336	2.336 (0.421)	280738	5.00000	5.00000	4.1136
16 Methyl Acetate	43	2.786	2.786 (0.502)	61289	5.00000	5.00000	6.3045
17 Methylene Chloride	84	2.549	2.549 (0.459)	102143	5.00000	5.00000	4.4739
20 Methyl tert-Butyl Ether	73	2.797	2.797 (0.504)	232111	5.00000	5.00000	5.7025
21 trans-1,2-Dichloroethene	96	2.797	2.797 (0.504)	118747	5.00000	5.00000	4.9887
23 1,1-Dichloroethane	63	3.235	3.235 (0.582)	232103	5.00000	5.00000	5.2383
\$ 25 2-Butanone-d5	46	3.886	3.886 (0.700)	236733	50.0000	50.0000	41.8573
26 cis-1,2-Dichloroethene	96	3.933	3.933 (0.708)	125187	5.00000	5.00000	5.1349
28 2-Butanone	43	3.969	3.969 (0.715)	198848	50.0000	50.0000	45.5386
29 Bromochloromethane	128	4.229	4.229 (0.761)	44360	5.00000	5.00000	5.4131
\$ 30 Chloroform-d	84	4.324	4.324 (0.778)	219341	5.00000	5.00000	5.9983
31 Chloroform	83	4.347	4.347 (0.783)	228701	5.00000	5.00000	6.0161

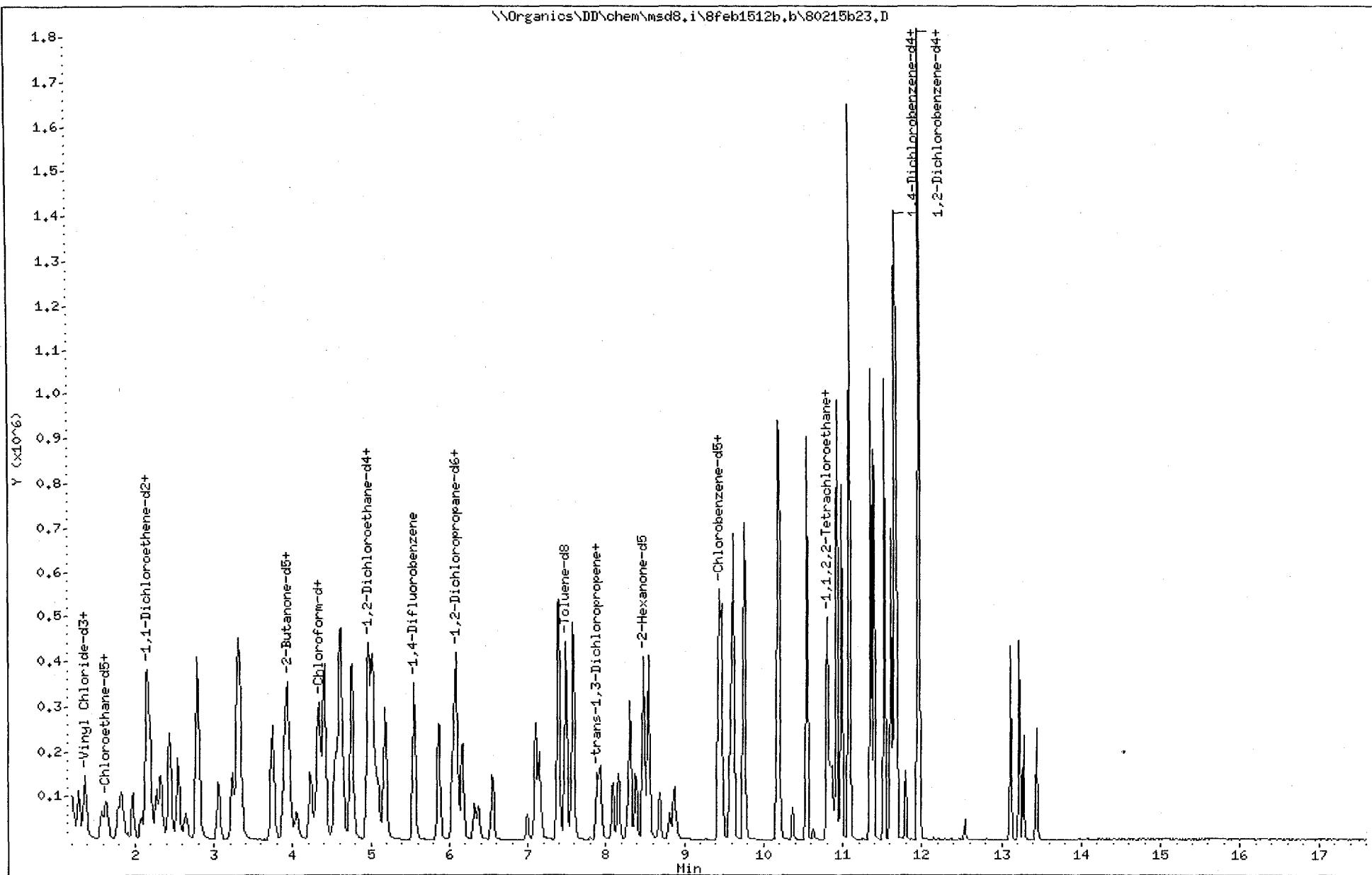
Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
33 1,1,1-Trichloroethane		97	4.549	4.549 (0.482)	195523	5.00000	6.6750
32 Cyclohexane		56	4.608	4.608 (0.488)	244359	5.00000	5.2453
34 Carbon Tetrachloride		117	4.750	4.750 (0.503)	161347	5.00000	6.9788
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.963 (0.893)	100688	5.00000	6.8761
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)	413231	5.00000	5.4040
37 Benzene		78	5.022	5.022 (0.532)	430865	5.00000	5.1814
39 1,2-Dichloroethane		62	5.069	5.069 (0.913)	139085	5.00000	6.7360
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)	388004	5.00000	
42 Trichloroethene		95	5.862	5.862 (0.621)	127797	5.00000	5.8314
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)	116454	5.00000	5.1112
43 Methylcyclohexane		83	6.087	6.087 (0.645)	226748	5.00000	5.4884
45 1,2-Dichloropropane		63	6.170	6.170 (0.654)	103002	5.00000	5.1324
49 Bromodichloromethane		83	6.548	6.548 (0.694)	133335	5.00000	6.1978
50 cis-1,3-Dichloropropene		75	7.152	7.152 (0.758)	147581	5.00000	5.4650
51 4-Methyl-2-pentanone		43	7.400	7.400 (0.784)	554401	50.0000	46.9910
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)	381896	5.00000	5.5744
53 Toluene		91	7.578	7.578 (0.803)	468851	5.00000	5.4333
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)	103891	5.00000	5.7744
55 trans-1,3-Dichloropropene		75	7.933	7.933 (0.841)	121479	5.00000	5.9568
56 1,1,2-Trichloroethane		97	8.169	8.169 (0.866)	59461	5.00000	5.3024
57 Tetrachloroethene		164	8.311	8.311 (0.881)	94569	5.00000	5.8070
\$ 58 2-Hexanone-d5		63	8.489	8.489 (0.900)	176893	50.0000	38.4281
60 2-Hexanone		43	8.548	8.548 (0.906)	385019	50.0000	45.8546
61 Dibromochloromethane		129	8.690	8.690 (0.921)	72012	5.00000	5.9590
62 1,2-Dibromoethane		107	8.820	8.820 (0.935)	57942	5.00000	5.6221
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)	334456	5.00000	
64 Chlorobenzene		112	9.471	9.471 (1.004)	305592	5.00000	5.5125
65 Ethylbenzene		91	9.625	9.625 (1.020)	566952	5.00000	5.6560
67 m+p-Xylenes		106	9.755	9.755 (1.034)	219257	5.00000	5.5909
68 o-Xylene		106	10.181	10.181 (1.079)	215126	5.00000	5.6363
69 Styrene		104	10.193	10.193 (1.080)	346340	5.00000	5.6915
70 Bromoform		173	10.370	10.370 (0.888)	33689	5.00000	4.9228
71 Isopropylbenzene		105	10.548	10.548 (1.118)	561730	5.00000	5.8336
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)	61339	5.00000	5.3979
74 1,1,2,2-Tetrachloroethane		83	10.856	10.856 (1.150)	62112	5.00000	5.4260
83 1,3-Dichlorobenzene		146	11.613	11.613 (0.995)	247813	5.00000	5.3152
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)	179820	5.00000	
86 1,4-Dichlorobenzene		146	11.684	11.684 (1.001)	243242	5.00000	5.3263
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)	126415	5.00000	5.5581
89 1,2-Dichlorobenzene		146	11.968	11.968 (1.025)	197236	5.00000	5.4019
90 1,2-Dibromo-3-chloropropane		75	12.548	12.548 (1.075)	10156	5.00000	6.5737
91 1,2,4-Trichlorobenzene		180	13.116	13.116 (1.124)	109089	5.00000	5.1226
94 1,2,3-Trichlorobenzene		180	13.447	13.447 (1.152)	74666	5.00000	4.8427

Data File: \\Organics\\DD\\chem\\msd8.i\\8feb1512b.b\\80215b23.D
Date : 15-FEB-2012 17:41
Client ID: VSTD005ZX
Sample Info: 8feb1512b.b, VSTD005ZX
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18

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4. Raw QC Data

- a. BFB Data
- b. Blank Data
- c. Matrix Spike Data
- d. Matrix Spike Duplicate Data

a. BFB Data

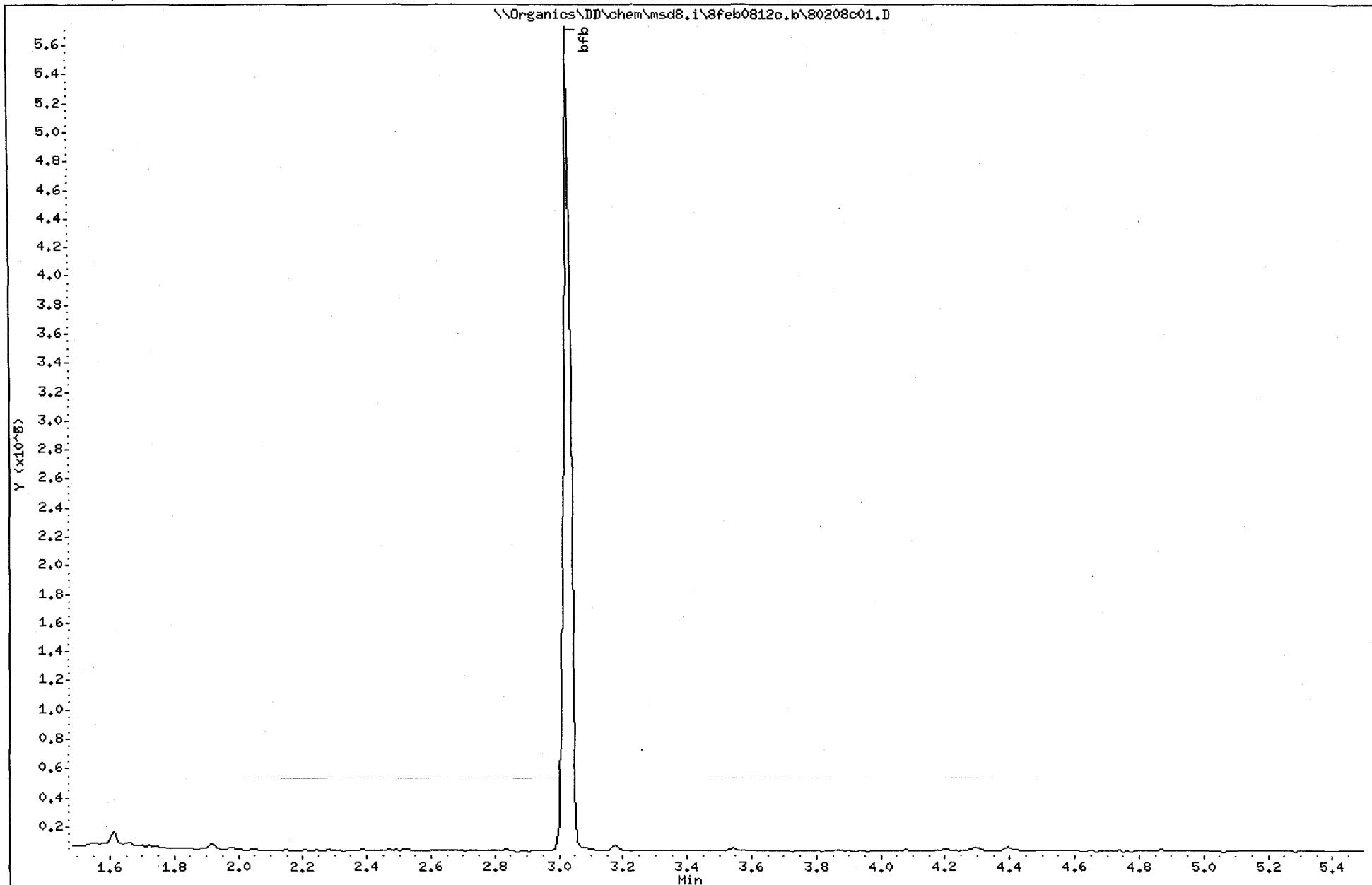
Arrange in chronological order, by instrument.

- Reconstructed total ion chromatogram
- Bar Graph spectrum and Tabulated Relative Abundances
- Mass listing

Data File: \\Organics\DD\chem\msd8.i\8feb0812c.b\80208c01.D
Date : 08-FEB-2012 17:06
Client ID: BFBLU
Sample Info: 8feb0812c.b, BFBLU
Volume Injected (uL): 2.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJG
Column diameter: 0.18

CD3EC Page 2
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S.A. Points
02/18/12



Date : 08-FEB-2012 17:06

Client ID: BFBLU

Instrument: msd8.i

Sample Info: 8feb0812c.b, BFBLU

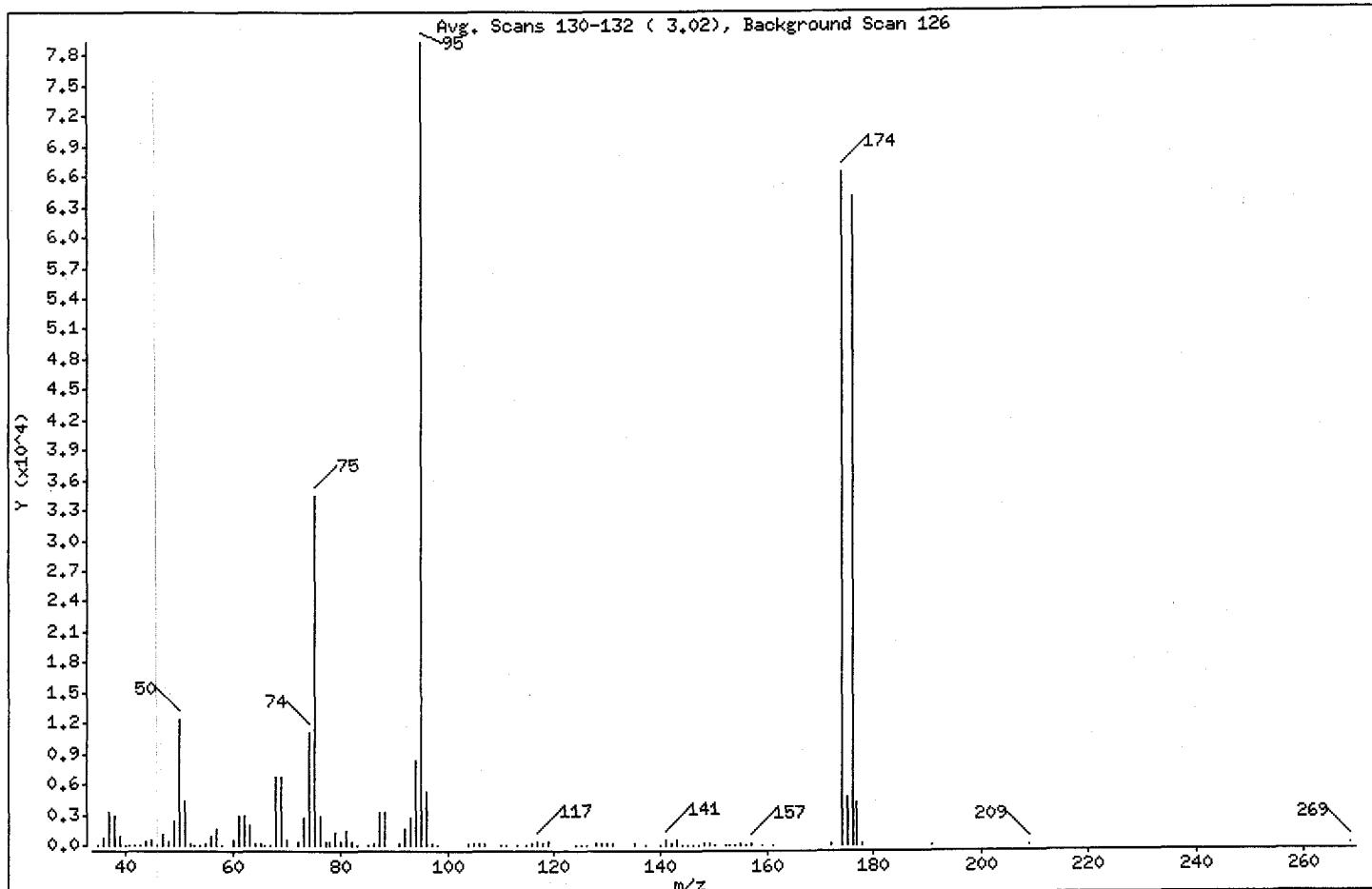
Volume Injected (uL): 2.0

Operator: JJG

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.63
75	30.00 - 80.00% of mass 95	43.39
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 < 0.00
174	50.00 - 120.00% of mass 95	83.71
175	5.00 - 9.00% of mass 174	6.02 < 7.19
176	95.00 - 101.00% of mass 174	80.66 < 96.35
177	5.00 - 9.00% of mass 176	5.19 < 6.44

Date : 08-FEB-2012 17:06

Client ID: BFBLU

Instrument: msd8,i

Sample Info: 8feb0812c.b, BFBLU

Volume Injected (uL): 2.0

Operator: JJG

Column phase: DB-624

Column diameter: 0.18

Data File: 80208c01.D

Spectrum: Avg. Scans 130-132 < 3.02>, Background Scan 126

Location of Maximum: 95.00

Number of points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 35.00	17 |	64.00	246 |	96.00	5340 |	144.00	46 |
| 36.00	641 |	65.00	104 |	97.00	228 |	145.00	85 |
| 37.00	3321 |	66.00	27 |	98.00	20 |	146.00	72 |
| 38.00	2878 |	67.00	83 |	104.00	140 |	147.00	43 |
| 39.00	903 |	68.00	6793 |	105.00	101 |	148.00	137 |
| 40.00	36 |	69.00	6837 |	106.00	246 |	149.00	95 |
| 41.00	69 |	70.00	484 |	107.00	92 |	150.00	69 |
| 42.00	67 |	72.00	370 |	110.00	23 |	152.00	45 |
| 43.00	44 |	73.00	2817 |	111.00	32 |	153.00	36 |
| 44.00	389 |	74.00	11058 |	113.00	32 |	154.00	31 |
| 45.00	502 |	75.00	34440 |	115.00	27 |	155.00	140 |
| 46.00	26 |	76.00	2975 |	116.00	214 |	156.00	43 |
| 47.00	1020 |	77.00	452 |	117.00	420 |	157.00	155 |
| 48.00	395 |	78.00	393 |	118.00	268 |	159.00	67 |
| 49.00	2437 |	79.00	1344 |	119.00	307 |	161.00	74 |
| 50.00	12402 |	80.00	432 |	124.00	20 |	172.00	93 |
| 51.00	4362 |	81.00	1379 |	125.00	20 |	174.00	66440 |
| 52.00	232 |	82.00	288 |	126.00	22 |	175.00	4774 |
| 53.00	79 |	83.00	63 |	128.00	232 |	176.00	64016 |
| 54.00	23 |	85.00	50 |	129.00	107 |	177.00	4123 |
| 55.00	186 |	86.00	94 |	130.00	245 |	178.00	159 |
| 56.00	892 |	87.00	3229 |	131.00	107 |	191.00	18 |
| 57.00	1572 |	88.00	3274 |	135.00	120 |	209.00	17 |
| 58.00	84 |	91.00	203 |	137.00	35 |	269.00	17 |
| 60.00	486 |	92.00	1729 |	140.00	43 |		|
| 61.00	2910 |	93.00	2817 |	141.00	614 |		|
| 62.00	2881 |	94.00	8349 |	142.00	92 |		|
| 63.00	2074 |	95.00	79368 |	143.00	582 |		|

Data File: \\Organics\DD\chem\msd8.i\8feb1012c.b\80210c01.D
Date : 10-FEB-2012 13:20
Client ID: BFBMK
Sample Info: 8feb1012c.b, BFBMK
Volume Injected (uL): 2.0
Column phase: DB-624

Instrument: msd8.i
Operator: BM
Column diameter: 0.18

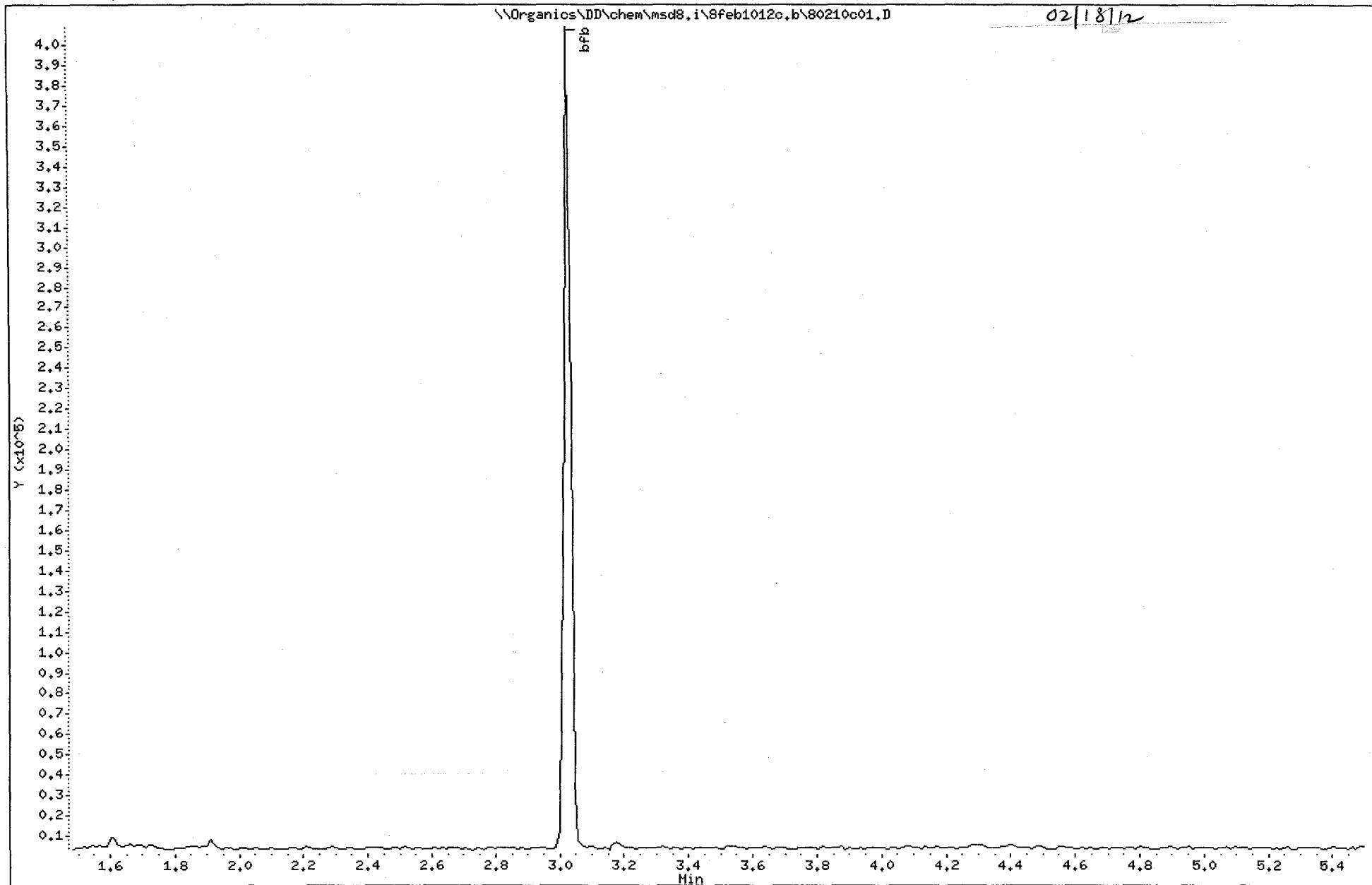
Page 2

CDP3 EG
41932

CHROMATOGRAPHIC CONDITIONS (CONTINUED FROM TOP)

S. A. Peters

02/18/12



Date : 10-FEB-2012 13:20

Client ID: BFBMK

Instrument: msd8,i

Sample Info: 8feb1012c.b, BFBMK

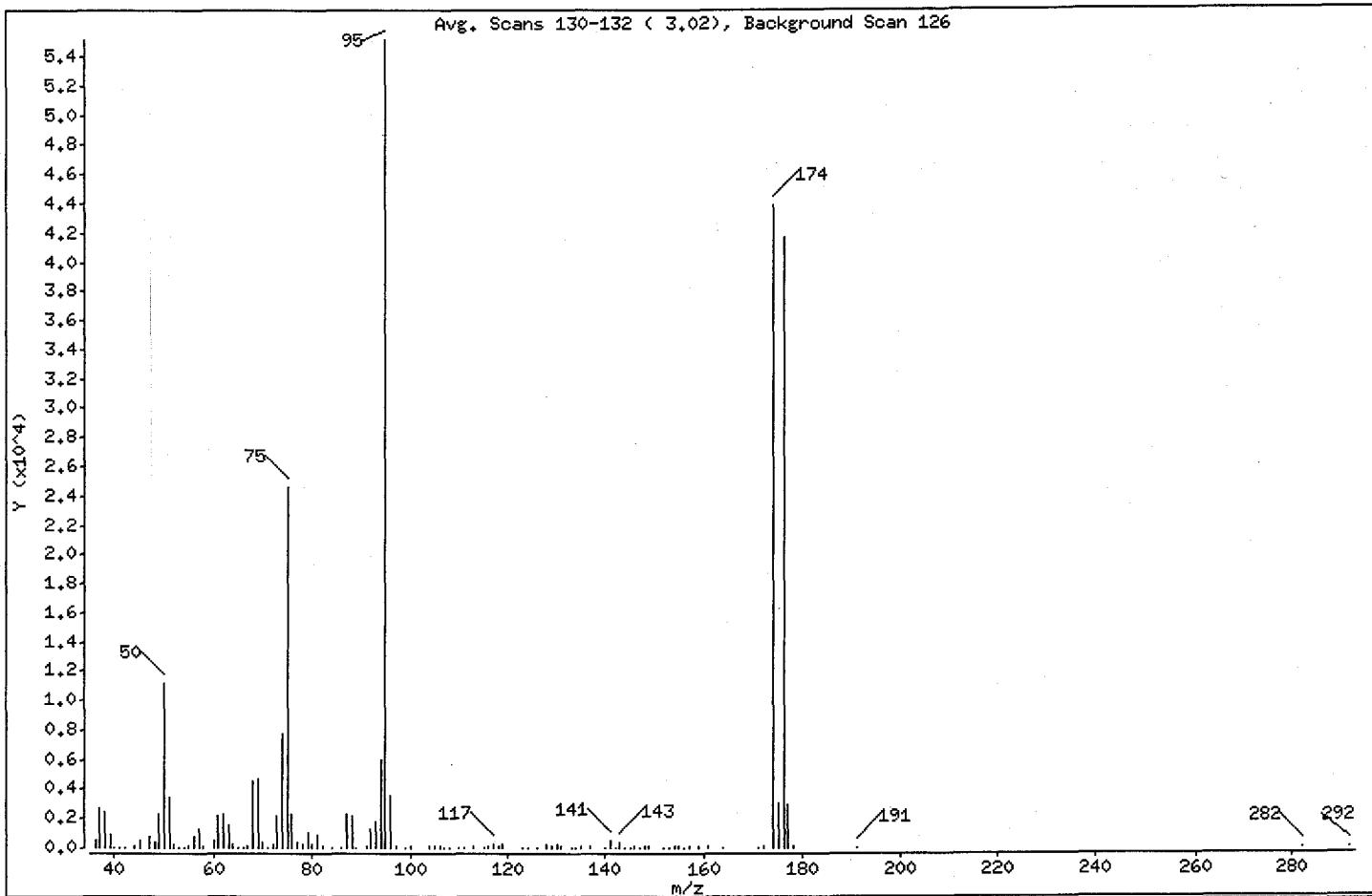
Volume Injected (uL): 2.0

Operator: BM

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
-----	------------------------	----------------------

| 95 | Base Peak, 100% relative abundance	| 100.00	|
| 50 | 15.00 - 40.00% of mass 95	| 20.20	|
| 75 | 30.00 - 80.00% of mass 95	| 44.67	|
| 96 | 5.00 - 9.00% of mass 95	| 6.43	|
| 173 | Less than 2.00% of mass 174	| 0.00 (< 0.00)	|
| 174 | 50.00 - 120.00% of mass 95	| 79.43	|
| 175 | 5.00 - 9.00% of mass 174	| 5.58 (< 7.03)	|
| 176 | 95.00 - 101.00% of mass 174	| 75.68 (< 95.27)	|
| 177 | 5.00 - 9.00% of mass 176	| 5.29 (< 6.99)	|

Date : 10-FEB-2012 13:20

Client ID: BFBMK

Instrument: msd8.i

Sample Info: 8feb1012c.b, BFBMK

Volume Injected (uL): 2.0

Operator: BM

Column phase: DB-624

Column diameter: 0.18

Data File: 80210c01.D

Spectrum: Avg, Scans 130-132 (3.02), Background Scan 126

Location of Maximum: 95.00

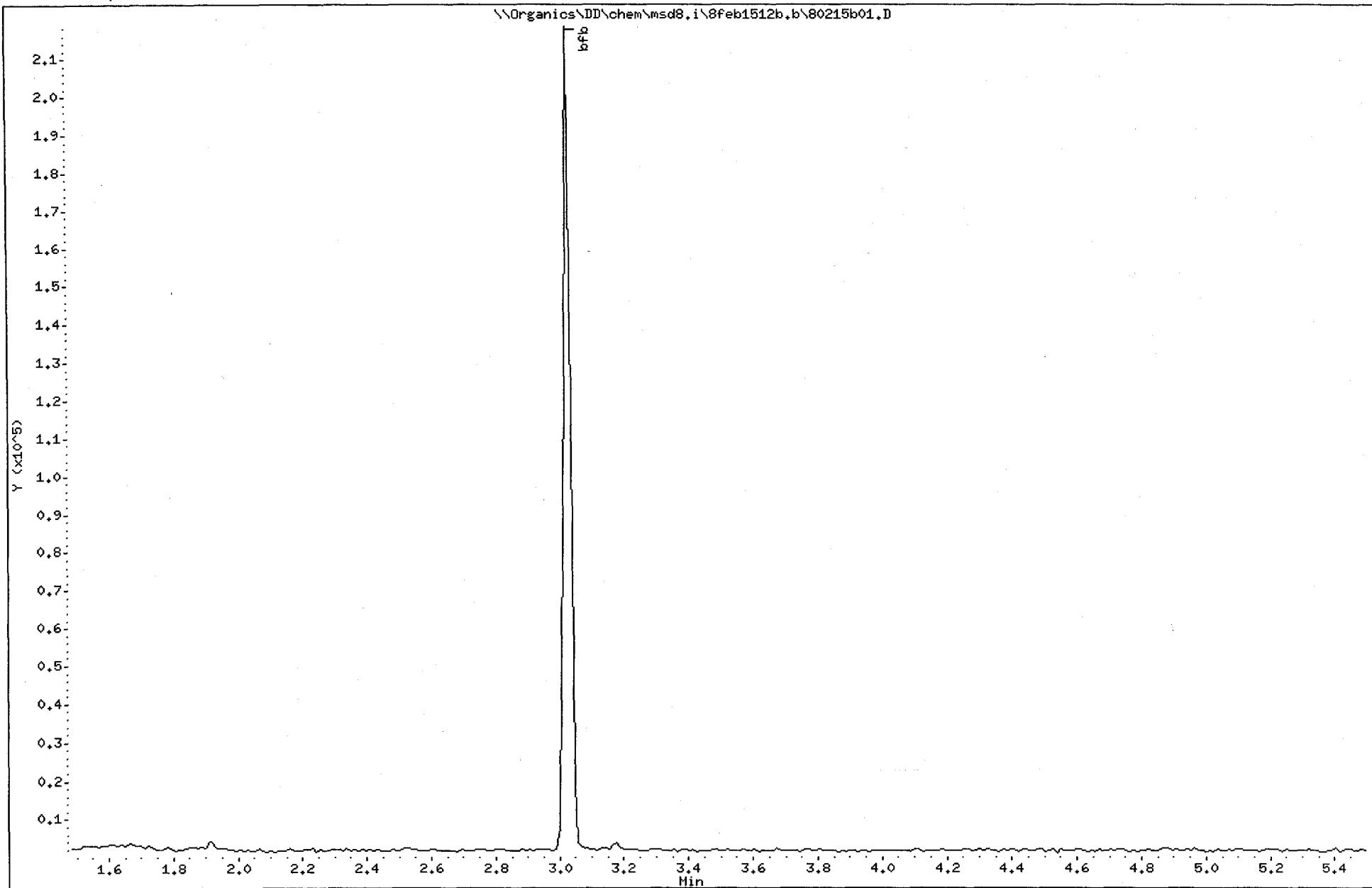
Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	495	67.00	126	99.00	21	142.00	31
37.00	2672	68.00	4573	100.00	73	143.00	384
38.00	2375	69.00	4695	104.00	151	144.00	33
39.00	837	70.00	323	105.00	110	145.00	48
40.00	36	71.00	27	106.00	135	146.00	105
41.00	35	72.00	231	107.00	59	147.00	26
42.00	6	73.00	2132	108.00	17	148.00	90
44.00	116	74.00	7703	110.00	45	149.00	65
45.00	515	75.00	24640	111.00	19	152.00	23
47.00	796	76.00	2305	113.00	95	153.00	61
48.00	365	77.00	326	115.00	18	154.00	85
49.00	2250	78.00	258	116.00	146	155.00	128
50.00	11142	79.00	969	117.00	277	156.00	25
51.00	3407	80.00	266	118.00	136	157.00	119
52.00	218	81.00	894	119.00	232	159.00	76
53.00	30	82.00	169	123.00	22	161.00	93
54.00	17	84.00	27	124.00	36	164.00	38
55.00	93	86.00	18	126.00	37	171.00	17
56.00	698	87.00	2262	128.00	217	172.00	133
57.00	1315	88.00	2198	129.00	68	174.00	43816
58.00	93	89.00	22	130.00	200	175.00	3080
60.00	484	91.00	144	131.00	102	176.00	41744
61.00	2094	92.00	1300	133.00	37	177.00	2918
62.00	2280	93.00	1829	134.00	18	178.00	91
63.00	1518	94.00	5925	135.00	91	191.00	17
64.00	197	95.00	55160	137.00	110	282.00	54
65.00	55	96.00	3547	140.00	30	292.00	19
66.00	53	97.00	110	141.00	535		

Data File: \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b01.D
Date : 15-FEB-2012 09:03
Client ID: BFB0B
Sample Info: 8feb1512b.b, BFB0B
Volume Injected (uL): 2.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18

\\Organics\DD\chem\msd8.i\8feb1512b.b\80215b01.D



Date : 15-FEB-2012 09:03

Client ID: BFB0B

Instrument: msd8.i

Sample Info: 8feb1512b.b, BFB0B

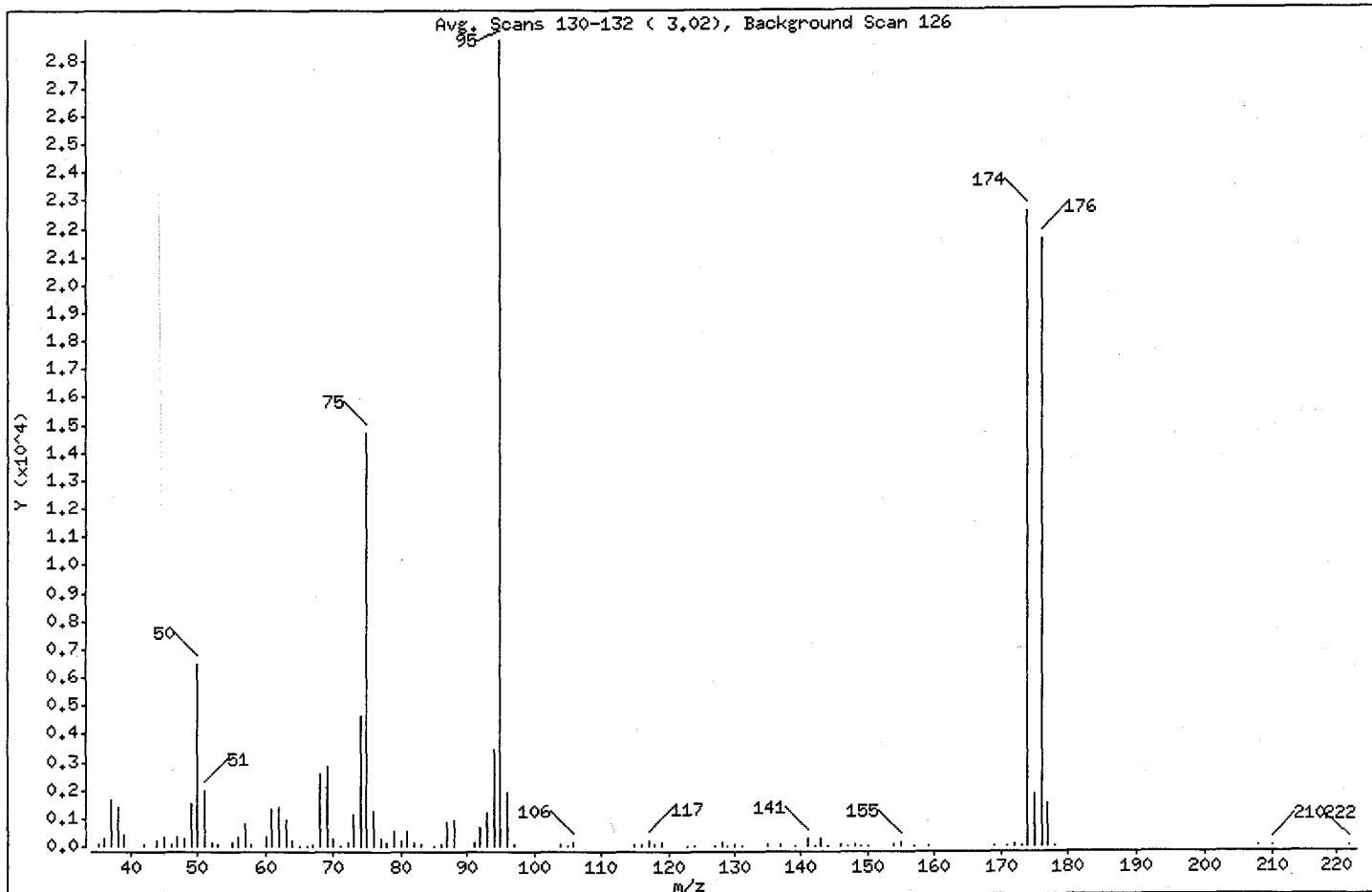
Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.52
75	30.00 - 80.00% of mass 95	51.32
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.09 (< 0.11)
174	50.00 - 120.00% of mass 95	78.62
175	5.00 - 9.00% of mass 174	6.40 (< 8.14)
176	95.00 - 101.00% of mass 174	75.19 (< 95.64)
177	5.00 - 9.00% of mass 176	5.27 (< 7.01)

Date : 15-FEB-2012 09:03

Client ID: BFB0B

Instrument: msd8.i

Sample Info: 8feb1512b.b, BFB0B

Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Data File: 80215b01.D

Spectrum: Avg. Scans 130-132 (3.02), Background Scan 126

Location of Maximum: 95.00

Number of points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 35.00	36 |	65.00	22 |	93.00	1170 |	143.00	235 |
| 36.00	272 |	66.00	20 |	94.00	3433 |	144.00	19 |
| 37.00	1662 |	67.00	75 |	95.00	28696 |	146.00	56 |
| 38.00	1372 |	68.00	2543 |	96.00	1934 |	147.00	17 |
| 39.00	375 |	69.00	2816 |	97.00	93 |	148.00	65 |
| 42.00	34 |	70.00	281 |	104.00	98 |	149.00	29 |
| 44.00	170 |	71.00	19 |	105.00	32 |	150.00	30 |
| 45.00	312 |	72.00	147 |	106.00	120 |	154.00	48 |
| 46.00	44 |	73.00	1112 |	115.00	77 |	155.00	104 |
| 47.00	349 |	74.00	4640 |	116.00	97 |	157.00	29 |
| 48.00	244 |	75.00	14728 |	117.00	196 |	159.00	24 |
| 49.00	1493 |	76.00	1255 |	118.00	98 |	169.00	19 |
| 50.00	6461 |	77.00	236 |	119.00	101 |	171.00	22 |
| 51.00	1976 |	78.00	136 |	123.00	18 |	172.00	68 |
| 52.00	136 |	79.00	545 |	124.00	19 |	173.00	25 |
| 53.00	35 |	80.00	194 |	127.00	21 |	174.00	22560 |
| 55.00	127 |	81.00	547 |	128.00	134 |	175.00	1837 |
| 56.00	339 |	82.00	157 |	129.00	31 |	176.00	21576 |
| 57.00	773 |	83.00	39 |	130.00	56 |	177.00	1512 |
| 58.00	70 |	85.00	23 |	131.00	22 |	178.00	20 |
| 60.00	328 |	86.00	91 |	135.00	41 |	208.00	20 |
| 61.00	1335 |	87.00	834 |	137.00	92 |	210.00	23 |
| 62.00	1369 |	88.00	911 |	139.00	17 |	222.00	18 |
| 63.00	917 |	91.00	104 |	141.00	253 |		|
| 64.00	181 |	92.00	676 |	142.00	26 |		|

b. Blank Data

Arrange by type of blank (method, storage, instrument) in chronological order, by instrument.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMD

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ77397-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209a02

Level: (TRACE/LOW/MED) TRACE

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMD

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NQ77397-001Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 80209a02Level: (TRACE/LOW/MED) TRACE Date Received: _____% Moisture: not dec. Date Analyzed: 02/09/2012GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.42	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.48	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m, p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKMD

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NQ77397-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 80209a02

Level: (TRACE or LOW/MED) TRACE Date Received: _____

% Moisture: not dec. Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912.b\80209a02.D
Lab Smp Id: VBLKMD Client Smp ID: VBLKMD
Inj Date : 09-FEB-2012 06:53
Operator : BM Inst ID: msd8.i
Smp Info : 8feb0912.b, VBLKMD
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912.b\TRACE-8.m
Meth Date : 18-Feb-2012 16:00 joj Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 29 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
1 Dichlorodifluoromethane	85						Compound Not Detected.
2 Chloromethane	50						Compound Not Detected.
\$ 3 Vinyl Chloride-d3	65		1.366	1.365 (0.246)		189558	4.72039 4.7203
4 Vinyl Chloride	62						Compound Not Detected.
5 Bromomethane	94						Compound Not Detected.
\$ 6 Chloroethane-d5	69		1.638	1.638 (0.295)		142372	4.53436 4.5343
7 Chloroethane	64						Compound Not Detected.
8 Trichlorofluoromethane	101						Compound Not Detected.
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.146 (0.387)		279135	3.82001 3.8200
13 1,1-Dichloroethene	96						Compound Not Detected.
11 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.
14 Acetone	43						Compound Not Detected.
15 Carbon Disulfide	76						Compound Not Detected.
16 Methyl Acetate	43						Compound Not Detected.
17 Methylene Chloride	84						Compound Not Detected.
20 Methyl tert-Butyl Ether	73						Compound Not Detected.
21 trans-1,2-Dichloroethene	96						Compound Not Detected.
23 1,1-Dichloroethane	63						Compound Not Detected.
\$ 25 2-Butanone-d5	46		3.886	3.898 (0.700)		359103	47.8871 47.8870 (Q)
26 cis-1,2-Dichloroethene	96						Compound Not Detected.
28 2-Butanone	43						Compound Not Detected.
29 Bromochloromethane	128						Compound Not Detected.
\$ 30 Chloroform-d	84		4.312	4.324 (0.776)		303843	4.60588 4.6058
31 Chloroform	83						Compound Not Detected.

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
33 1,1,1-Trichloroethane		97				Compound Not Detected.		
32 Cyclohexane		56				Compound Not Detected.		
34 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.974 (0.893)		114078	4.47586	4.4758
\$ 36 Benzene-d6		84	4.975	4.974 (0.527)		707919	4.66864	4.6686
37 Benzene		78				Compound Not Detected.		
39 1,2-Dichloroethane		62				Compound Not Detected.		
* 41 1,4-Difluorobenzene		114	5.554	5.554 (1.000)		911985	5.00000	
42 Trichloroethene		95	5.862	5.874 (0.621)		15984	0.42084	0.4208(a)
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		188094	4.17217	4.1721
43 Methylcyclohexane		83				Compound Not Detected.		
45 1,2-Dichloropropane		63				Compound Not Detected.		
49 Bromodichloromethane		83				Compound Not Detected.		
50 cis-1,3-Dichloropropene		75				Compound Not Detected.		
51 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		646736	4.68961	4.6896
53 Toluene		91				Compound Not Detected.		
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.897 (0.837)		150183	4.50877	4.5087
55 trans-1,3-Dichloropropene		75				Compound Not Detected.		
56 1,1,2-Trichloroethane		97				Compound Not Detected.		
57 Tetrachloroethene		164	8.311	8.311 (0.881)		15180	0.47771	0.4777(a)
\$ 58 2-Hexanone-d5		63	8.477	8.489 (0.898)		361485	49.6535	49.6534
60 2-Hexanone		43				Compound Not Detected.		
61 Dibromochloromethane		129				Compound Not Detected.		
62 1,2-Dibromoethane		107				Compound Not Detected.		
* 63 Chlorobenzene-d5		117	9.436	9.435 (1.000)		827837	5.00000	
64 Chlorobenzene		112				Compound Not Detected.		
65 Ethylbenzene		91				Compound Not Detected.		
67 m+p-Xylenes		106				Compound Not Detected.		
68 o-Xylene		106				Compound Not Detected.		
69 Styrene		104				Compound Not Detected.		
70 Bromoform		173				Compound Not Detected.		
71 Isopropylbenzene		105				Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		111023	4.74526	4.7452
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
83 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.672 (1.000)		440801	5.00000	
86 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		229305	4.61187	4.6118
89 1,2-Dichlorobenzene		146				Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
 Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912.b\80209a02.D
Lab Smp Id: VBLKMD Client Smp ID: VBLKMD
Inj Date : 09-FEB-2012 06:53 Inst ID: msd8.i
Operator : BM
Smp Info : 8feb0912.b, VBLKMD
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912.b\TRACE-8.m
Meth Date : 18-Feb-2012 16:00 joj Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 29 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

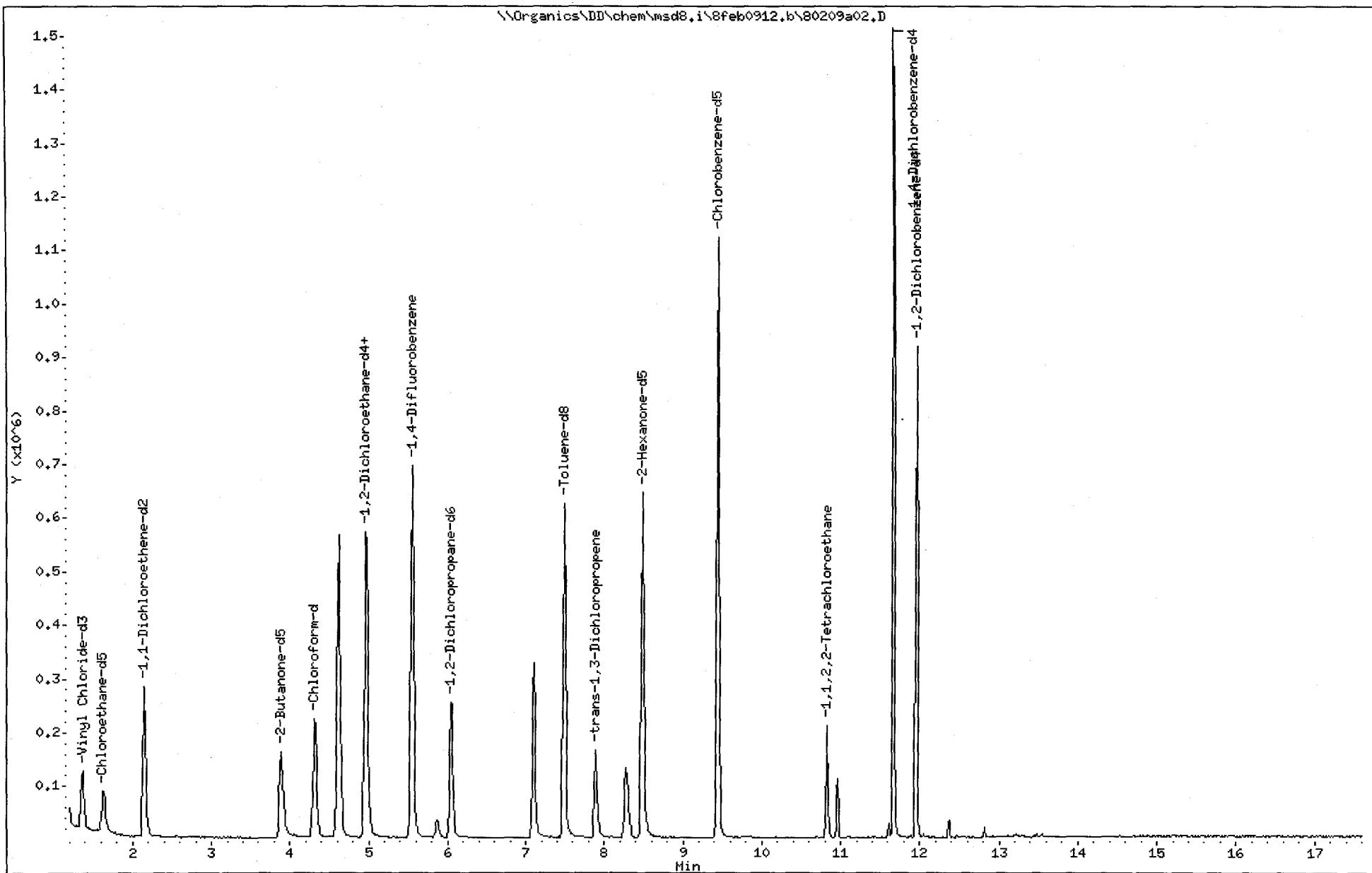
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\DD\chem\msd8.i\8feb0912.b\80209a02.D
Date : 09-FEB-2012 06:53
Client ID: VBLKMD
Sample Info: 8feb0912.b, VBLKMD
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: BM
Column diameter: 0.18

Page 3

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Date : 09-FEB-2012 06:53

Client ID: VBLKMD

Instrument: msd8,i

Sample Info: 8feb0912.b, VBLKMD

Purge Volume: 25.0

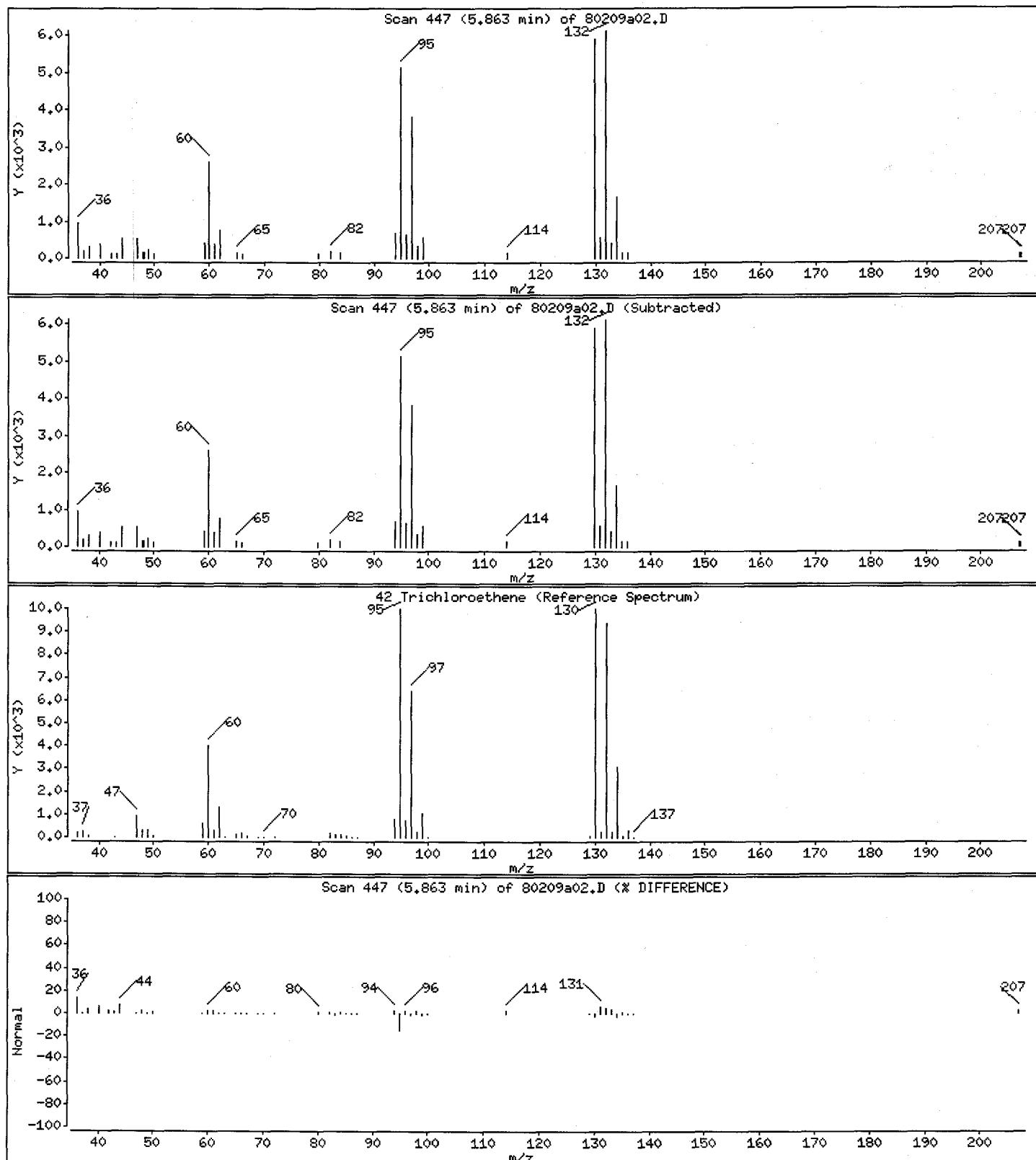
Operator: BM

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.4208 ug/L



Date : 09-FEB-2012 06:53

Client ID: VBLKMD

Instrument: msd8.i

Sample Info: 8feb0912.b, VBLKMD

Purge Volume: 25.0

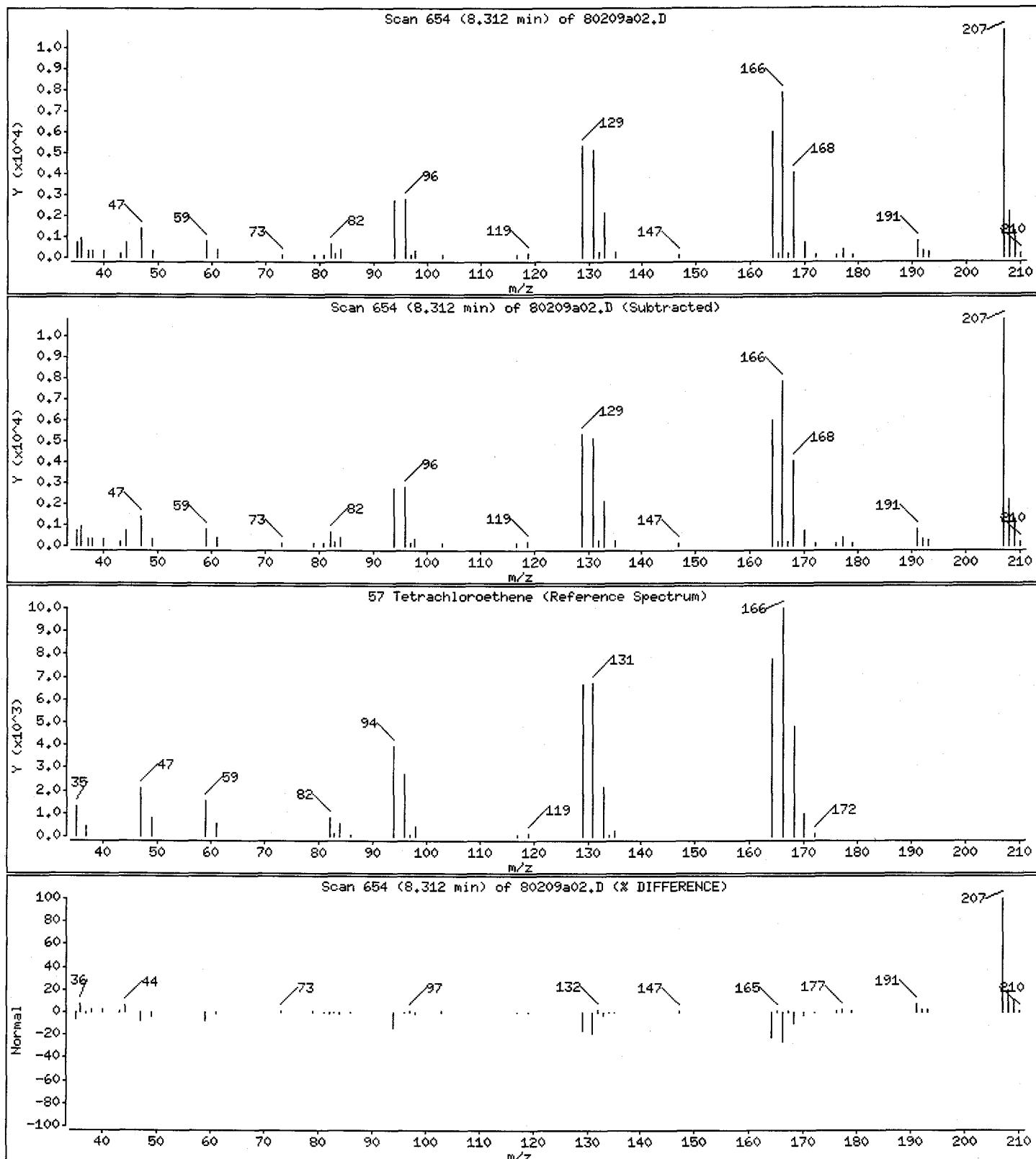
Operator: BM

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 0.4777 ug/L



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMG

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ77493-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B03

Level: (TRACE/LOW/MED) TRACE

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMG

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ77493-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B03

Level: (TRACE/LOW/MED) TRACE

Date Received: _____

% Moisture: not dec.

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.47	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.46	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKMG

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ77493-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80209B03

Level: (TRACE or LOW/MED) TRACE

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/09/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01 556-67-2	Cyclotetrasiloxane, octamethyl	10.960	0.52	NJ
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B03.D
Lab Smp Id: VBLKMG Client Smp ID: VBLKMG
Inj Date : 09-FEB-2012 18:37
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, VBLKMG
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 11-Feb-2012 15:54 msd8.i Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 55 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
1 Dichlorodifluoromethane	85					Compound Not Detected.	
2 Chloromethane	50					Compound Not Detected.	
\$ 3 Vinyl Chloride-d3	65		1.366	1.366 (0.246)	219872		5.56083 5.5608
4 Vinyl Chloride	62					Compound Not Detected.	
5 Bromomethane	94					Compound Not Detected.	
\$ 6 Chloroethane-d5	69		1.638	1.638 (0.296)	167705		5.42464 5.4246
7 Chloroethane	64					Compound Not Detected.	
8 Trichlorodifluoromethane	101					Compound Not Detected.	
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.147 (0.387)	319329		4.43836 4.4383
13 1,1-Dichloroethene	96					Compound Not Detected.	
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.	
14 Acetone	43					Compound Not Detected.	
15 Carbon Disulfide	76					Compound Not Detected.	
16 Methyl Acetate	43					Compound Not Detected.	
17 Methylene Chloride	84					Compound Not Detected.	
20 Methyl tert-Butyl Ether	73					Compound Not Detected.	
21 trans-1,2-Dichloroethene	96					Compound Not Detected.	
23 1,1-Dichloroethane	63					Compound Not Detected.	
\$ 25 2-Butanone-d5	46		3.886	3.898 (0.701)	509137		68.9553 68.9553(Q)
26 cis-1,2-Dichloroethene	96					Compound Not Detected.	
28 2-Butanone	43					Compound Not Detected.	
29 Bromochloromethane	128					Compound Not Detected.	
\$ 30 Chloroform-d	84		4.312	4.324 (0.778)	344711		5.30704 5.3070(Q)
31 Chloroform	83					Compound Not Detected.	

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
33 1,1,1-Trichloroethane		97				Compound Not Detected.		
32 Cyclohexane		56				Compound Not Detected.		
34 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.975 (0.895)		126421	5.03765	5.0376
\$ 36 Benzene-d6		84	4.975	4.975 (0.527)		822762	5.43518	5.4351
37 Benzene		78				Compound Not Detected.		
39 1,2-Dichloroethane		62				Compound Not Detected.		
* 41 1,4-Difluorobenzene		114	5.543	5.554 (1.000)		897954	5.00000	
42 Trichloroethene		95	5.862	5.874 (0.621)		17640	0.46523	0.4652(a)
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.051 (0.641)		217724	4.83755	4.8375
43 Methylcyclohexane		83				Compound Not Detected.		
45 1,2-Dichloropropane		63				Compound Not Detected.		
49 Bromodichloromethane		83				Compound Not Detected.		
50 cis-1,3-Dichloropropene		75				Compound Not Detected.		
51 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		753364	5.47201	5.4720
53 Toluene		91				Compound Not Detected.		
\$ 54 trans-1,3-Dichloropropene-d4		79	7.886	7.897 (0.836)		168920	5.07985	5.0798
55 trans-1,3-Dichloropropene		75				Compound Not Detected.		
56 1,1,2-Trichloroethane		97				Compound Not Detected.		
57 Tetrachloroethene		164	8.312	8.312 (0.881)		14611	0.46058	0.4605(a)
\$ 58 2-Hexanone-d5		63	8.477	8.489 (0.898)		488853	67.2621	67.2620
60 2-Hexanone		43				Compound Not Detected.		
61 Dibromochloromethane		129				Compound Not Detected.		
62 1,2-Dibromoethane		107				Compound Not Detected.		
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)		826442	5.00000	
64 Chlorobenzene		112				Compound Not Detected.		
65 Ethylbenzene		91				Compound Not Detected.		
67 m+p-Xylenes		106				Compound Not Detected.		
68 o-Xylene		106				Compound Not Detected.		
69 Styrene		104				Compound Not Detected.		
70 Bromoform		173				Compound Not Detected.		
71 Isopropylbenzene		105				Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.832 (1.148)		116620	4.99290	4.9929
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
83 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4		152	11.660	11.672 (1.000)		398831	5.00000	
86 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.025)		234226	5.20658	5.2065
89 1,2-Dichlorobenzene		146				Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
 Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B03.D
Lab Smp Id: VBLKMG Client Smp ID: VBLKMG
Inj Date : 09-FEB-2012 18:37
Operator : JJG Inst ID: msd8.i
Smp Info : 8feb0912B.b, VBLKMG
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb0912B.b\TRACE-8.m
Meth Date : 18-Feb-2012 13:32 joj Quant Type: ISTD
Cal Date : 08-FEB-2012 18:56 Cal File: 80208c06.D
Als bottle: 55 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 85 1,4-Dichlorobenzene-d4	11.661	2213224	5.000

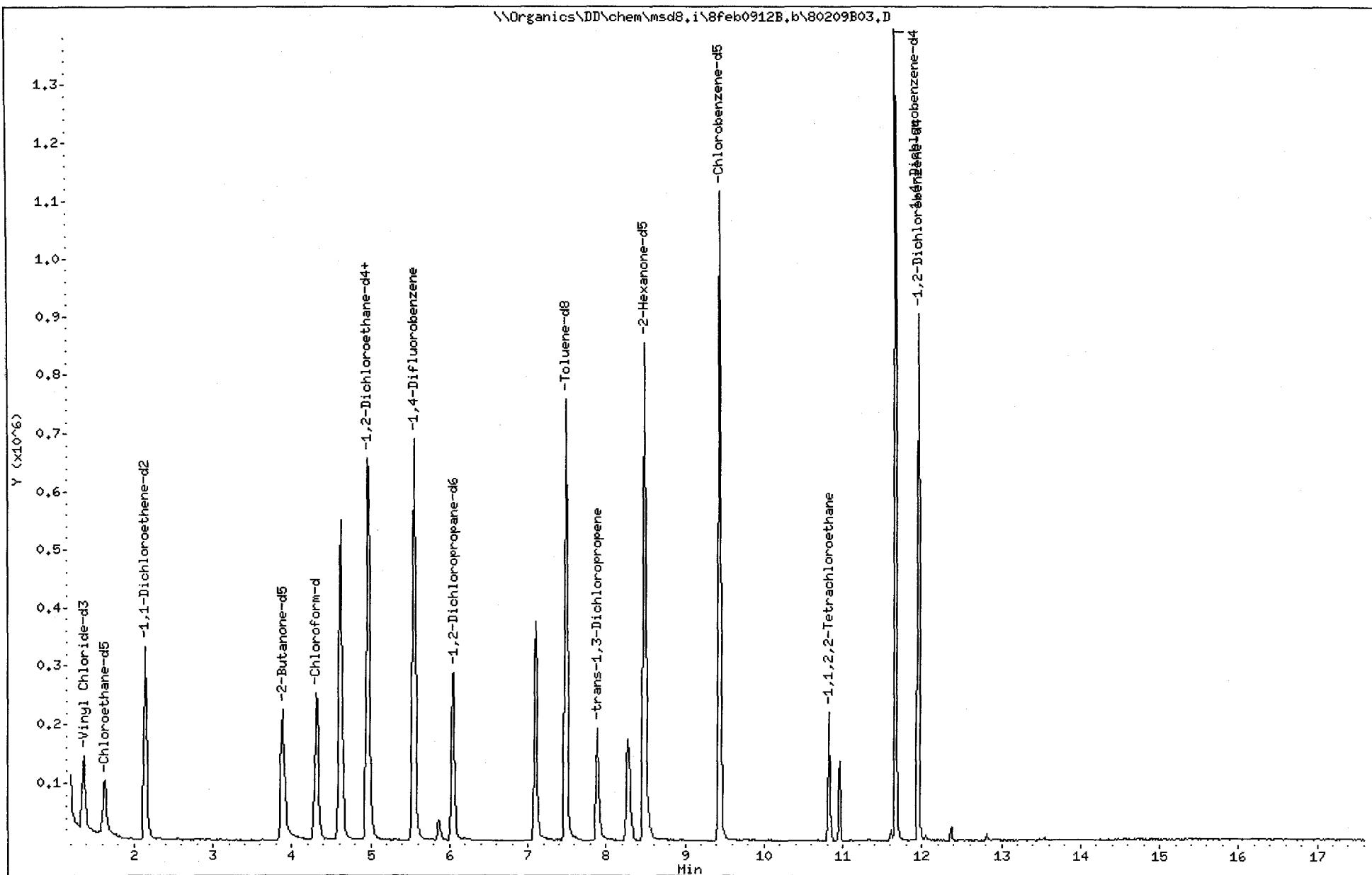
CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
10.963	230579	0.52091102	0.5209	86	NIST02.L	115616	85

Data File: \\Organics\DD\chem\msd8.i\8feb0912B.b\80209B03.D
Date : 09-FEB-2012 18:37
Client ID: VBLKMG
Sample Info: 8feb0912B.b, VBLKMG
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: JJC
Column diameter: 0.18

Page 3

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Date : 09-FEB-2012 18:37

Client ID: VBLKMG

Instrument: msd8.i

Sample Info: 8feb0912B.b, VBLKMG

Purge Volume: 25.0

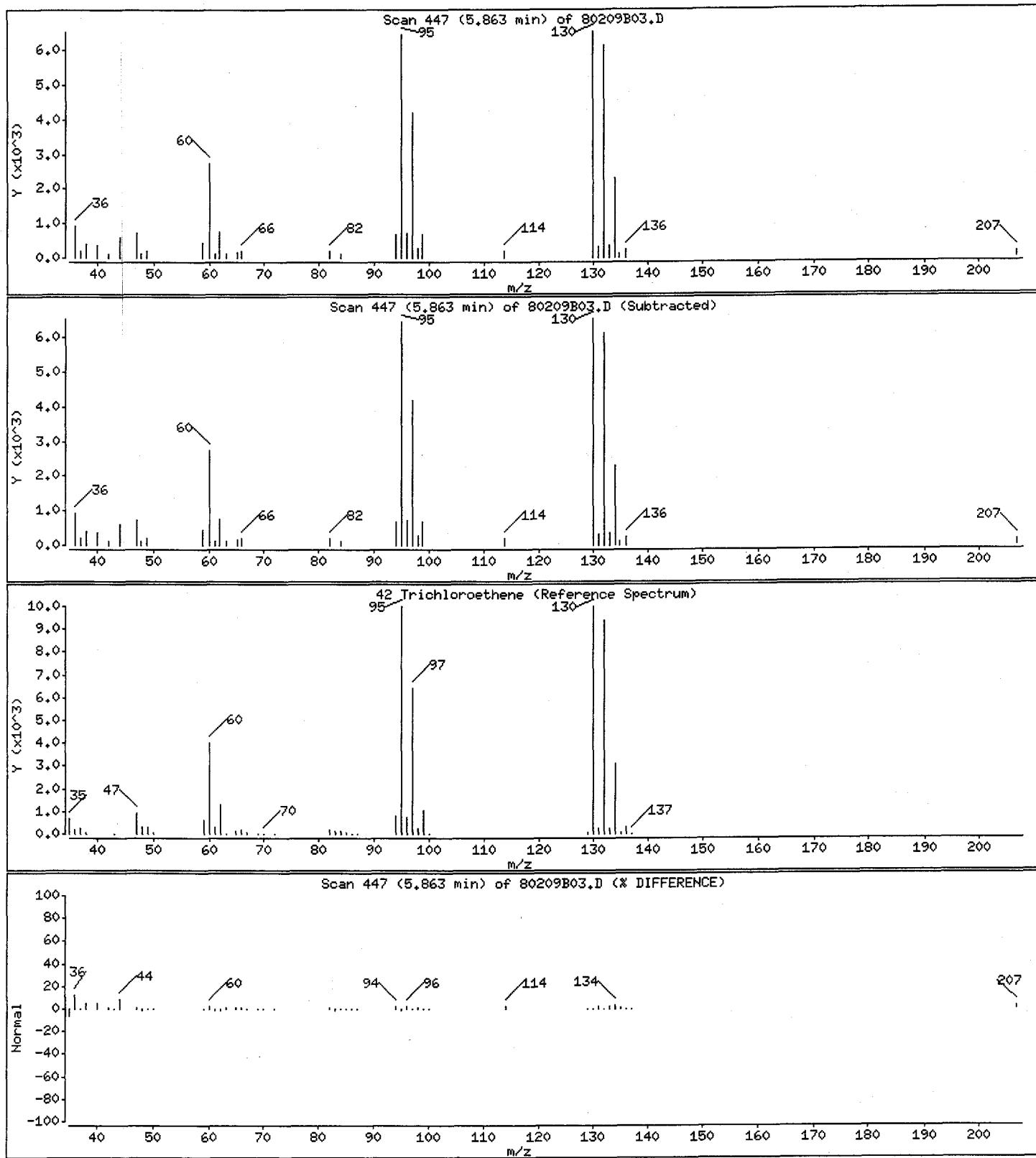
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.4652 ug/L



Date : 09-FEB-2012 18:37

Client ID: VBLKMG

Instrument: msd8,i

Sample Info: 8feb0912B.b, VBLKMG

Purge Volume: 25.0

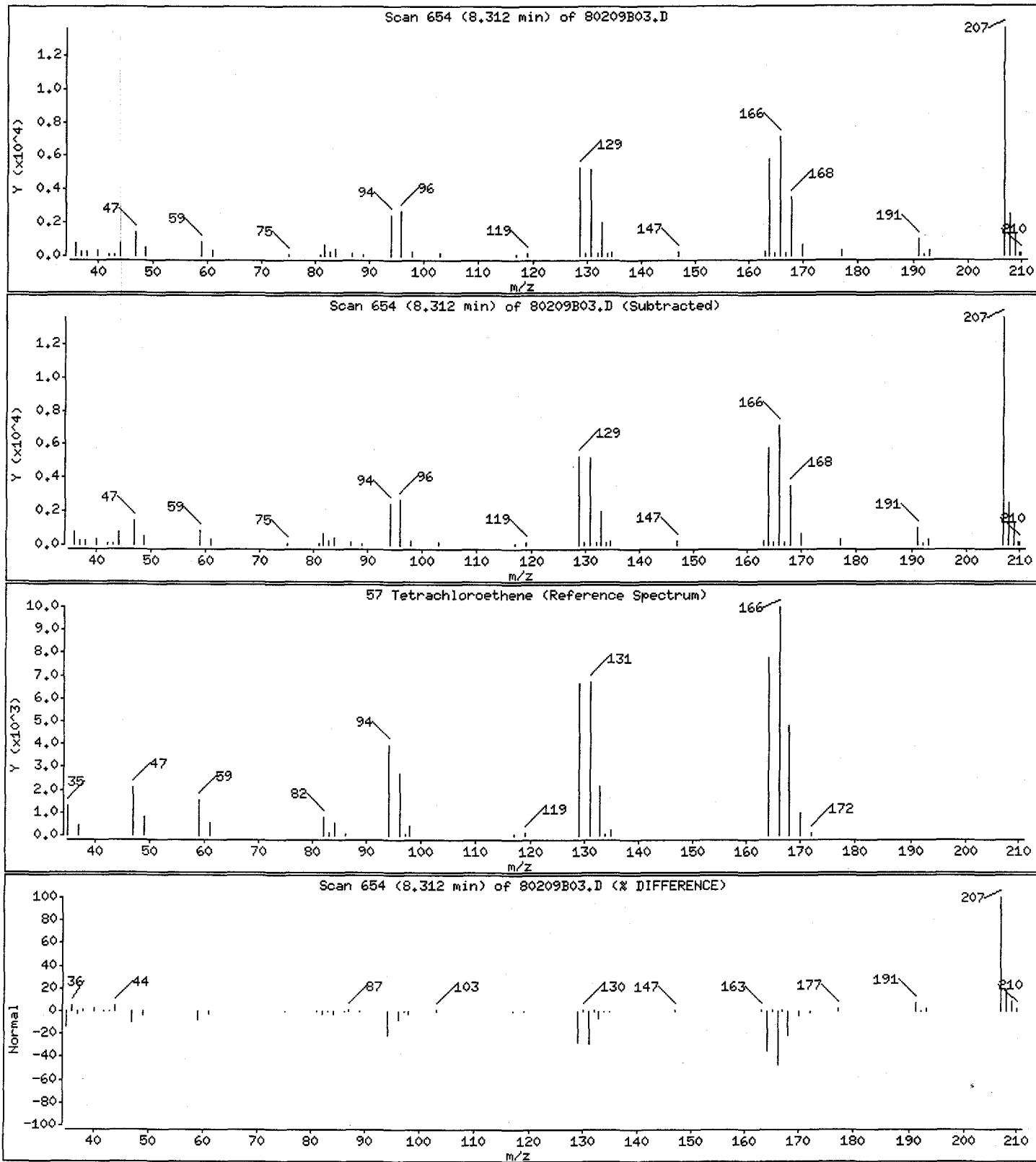
Operator: JJG

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 0.4605 ug/L



Date : 09-FEB-2012 18:37

Client ID: VBLKMG

Instrument: msd8.i

Sample Info: 8feb0912B.b, VBLKMG

Purge Volume: 25.0

Operator: JJC

Column phase: DB-624

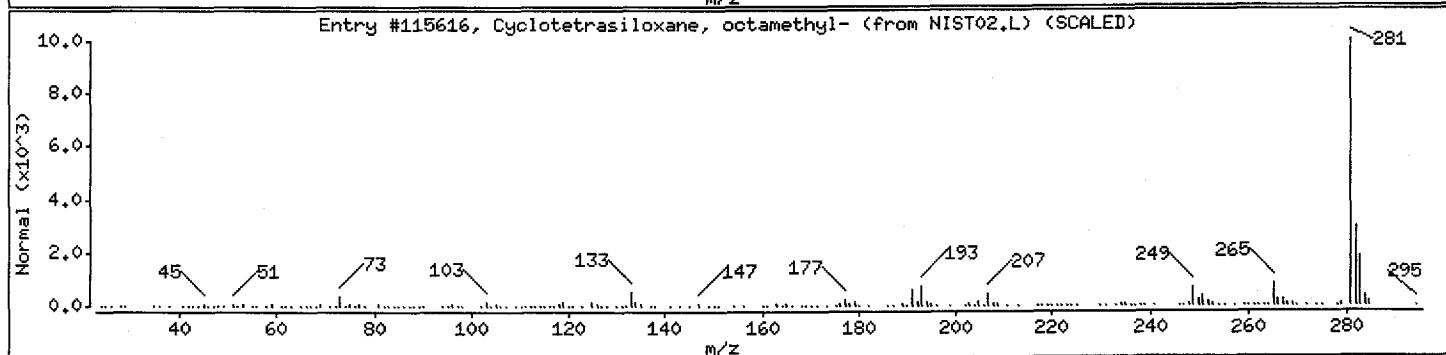
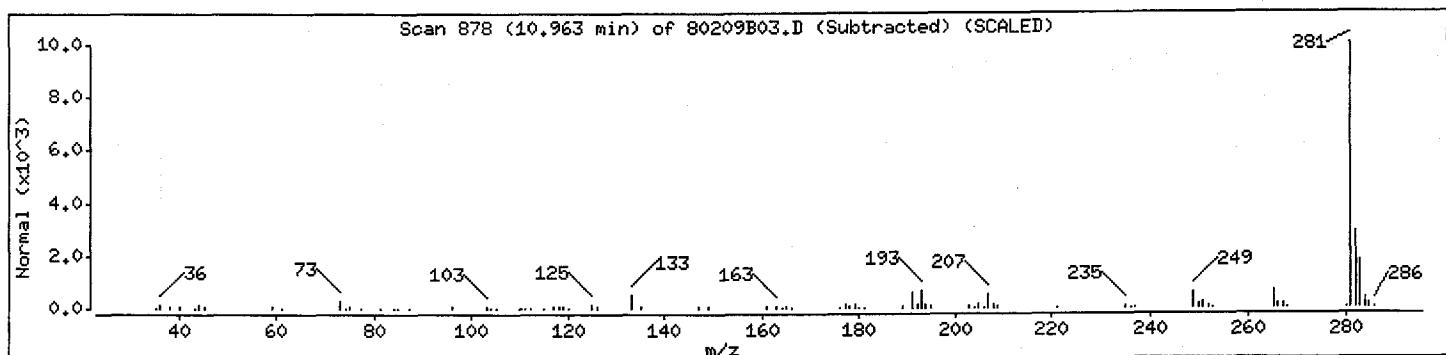
Column diameter: 0.18

Library Search Compound Match

CAS Number Library Entry Quality Formula Weight

Cyclotetrasiloxane, octamethyl-

556-67-2 NIST02.L 115616 86 C8H24O4Si4 296



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOB

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ77811-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80215b04

Level: (TRACE/LOW/MED) TRACE

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/15/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromoform	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOB

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ77811-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80215b04

Level: (TRACE/LOW/MED) TRACE

Date Received: _____

% Moisture: not dec.

Date Analyzed: 02/15/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKOB

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ77811-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80215b04

Level: (TRACE or LOW/MED) TRACE

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/15/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	10.610	1.6	J
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b04.D
Lab Smp Id: VBLKOB Client Smp ID: VBLKOB
Inj Date : 15-FEB-2012 10:24
Operator : DLB Inst ID: msd8.i
Smp Info : 8feb1512b.b, VBLKOB
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb1512b.b\TRACE-8.m
Meth Date : 16-Feb-2012 08:50 dlb Quant Type: ISTD
Cal Date : 10-FEB-2012 15:16 Cal File: 80210c06.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
1 Dichlorodifluoromethane		85					
2 Chloromethane		50					
\$ 3 Vinyl Chloride-d3		65	1.366	1.366 (0.246)	100419	5.04039	5.0403
4 Vinyl Chloride		62					
5 Bromomethane		94					
\$ 6 Chloroethane-d5		69	1.638	1.626 (0.295)	72915	4.82589	4.8258
7 Chloroethane		64					
8 Trichlorofluoromethane		101					
\$ 12 1,1-Dichloroethene-d2		63	2.146	2.147 (0.387)	202322	4.31291	4.3129
13 1,1-Dichloroethene		96					
11 1,1,2-Trichloro-1,2,2-trifluo		101					
14 Acetone		43					
15 Carbon Disulfide		76					
16 Methyl Acetate		43					
17 Methylene Chloride		84					
20 Methyl tert-Butyl Ether		73					
21 trans-1,2-Dichloroethene		96					
23 1,1-Dichloroethane		63					
\$ 25 2-Butanone-d5		46	3.886	3.886 (0.700)	255155	40.7917	40.7916(Q)
26 cis-1,2-Dichloroethene		96					
28 2-Butanone		43					
29 Bromochloromethane		128					
\$ 30 Chloroform-d		84	4.312	4.312 (0.776)	217898	5.38791	5.3879(Q)
31 Chloroform		83					

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
33 1,1,1-Trichloroethane	97					Compound Not Detected.		
32 Cyclohexane	56					Compound Not Detected.		
34 Carbon Tetrachloride	117					Compound Not Detected.		
\$ 38 1,2-Dichloroethane-d4	65	4.963	4.963 (0.893)		100992	6.23604	6.2360	
\$ 36 Benzene-d6	84	4.975	4.963 (0.527)		434427	5.02270	5.0226	
37 Benzene	78					Compound Not Detected.		
39 1,2-Dichloroethane	62					Compound Not Detected.		
* 41 1,4-Difluorobenzene	114	5.554	5.543 (1.000)		429123	5.00000		
42 Trichloroethene	95					Compound Not Detected.		
\$ 44 1,2-Dichloropropane-d6	67	6.040	6.040 (0.640)		108428	4.20735	4.2073	
43 Methylcyclohexane	83					Compound Not Detected.		
45 1,2-Dichloropropane	63					Compound Not Detected.		
49 Bromodichloromethane	83					Compound Not Detected.		
50 cis-1,3-Dichloropropene	75					Compound Not Detected.		
51 4-Methyl-2-pentanone	43					Compound Not Detected.		
\$ 52 Toluene-d8	98	7.495	7.495 (0.794)		401026	5.17516	5.1751	
53 Toluene	91					Compound Not Detected.		
\$ 54 trans-1,3-Dichloropropene-d4	79	7.885	7.885 (0.836)		109983	5.40449	5.4044	
55 trans-1,3-Dichloropropene	75					Compound Not Detected.		
56 1,1,2-Trichloroethane	97					Compound Not Detected.		
57 Tetrachloroethene	164					Compound Not Detected.		
\$ 58 2-Hexanone-d5	63	8.477	8.477 (0.898)		247649	47.5633	47.5633	
60 2-Hexanone	43					Compound Not Detected.		
61 Dibromochloromethane	129					Compound Not Detected.		
62 1,2-Dibromoethane	107					Compound Not Detected.		
* 63 Chlorobenzene-d5	117	9.436	9.436 (1.000)		378305	5.00000		
64 Chlorobenzene	112					Compound Not Detected.		
65 Ethylbenzene	91					Compound Not Detected.		
67 m+p-Xylenes	106					Compound Not Detected.		
68 o-Xylene	106					Compound Not Detected.		
69 Styrene	104					Compound Not Detected.		
70 Bromoform	173					Compound Not Detected.		
71 Isopropylbenzene	105					Compound Not Detected.		
\$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.832	10.820 (1.148)		62655	4.87466	4.8746	
74 1,1,2,2-Tetrachloroethane	83					Compound Not Detected.		
83 1,3-Dichlorobenzene	146					Compound Not Detected.		
* 85 1,4-Dichlorobenzene-d4	152	11.660	11.660 (1.000)		198425	5.00000	(Q)	
86 1,4-Dichlorobenzene	146					Compound Not Detected.		
\$ 87 1,2-Dichlorobenzene-d4	152	11.956	11.956 (1.025)		130775	5.21069	5.2106	
89 1,2-Dichlorobenzene	146					Compound Not Detected.		
90 1,2-Dibromo-3-chloropropane	75					Compound Not Detected.		
91 1,2,4-Trichlorobenzene	180					Compound Not Detected.		
94 1,2,3-Trichlorobenzene	180					Compound Not Detected.		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b04.D
Lab Smp Id: VBLKOB Client Smp ID: VBLKOB
Inj Date : 15-FEB-2012 10:24
Operator : DLB Inst ID: msd8.i
Smp Info : 8feb1512b.b, VBLKOB
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb1512b.b\TRACE-8.m
Meth Date : 16-Feb-2012 08:50 dlb Quant Type: ISTD
Cal Date : 10-FEB-2012 15:16 Cal File: 80210c06.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

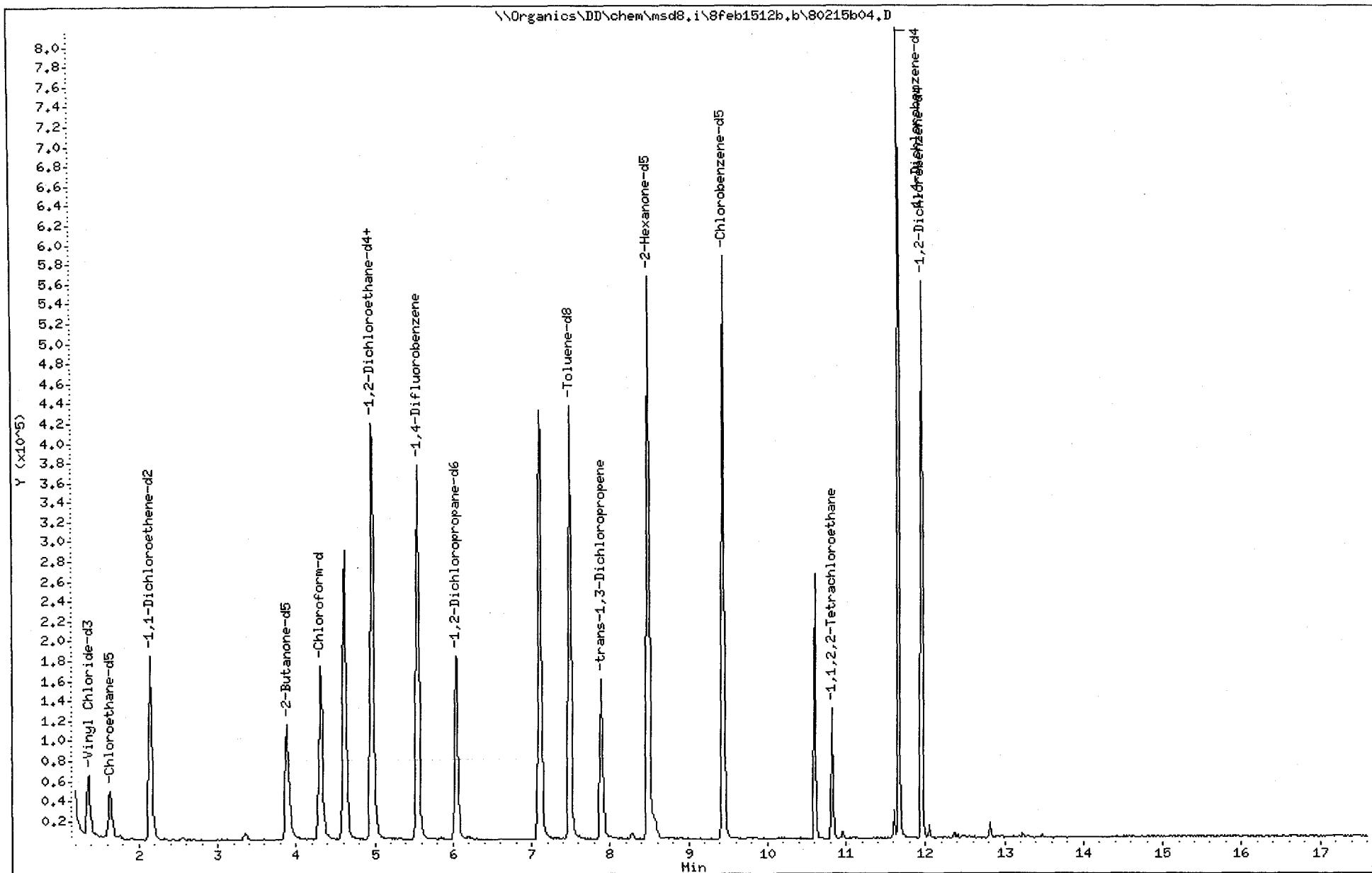
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 85 1,4-Dichlorobenzene-d4	11.661	1214536	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
10.608	397866	1.63793192	1.6379	0		0	85

Data File: \\Organics\\DD\\chem\\msd8.i\\8feb1512b.b\\80215b04.D
Date : 15-FEB-2012 10:24
Client ID: VBLKOB
Sample Info: 8feb1512b.b, VBLKOB
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18



Data File: \\Organics\\DD\\chem\\msd8.i\\8feb1512b.b\\80215b04.D

Page 4

Date : 15-FEB-2012 10:24

Client ID: VBLKOB

Instrument: msd8,i

Sample Info: 8feb1512b.b, VBLKOB

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match

CAS Number Library

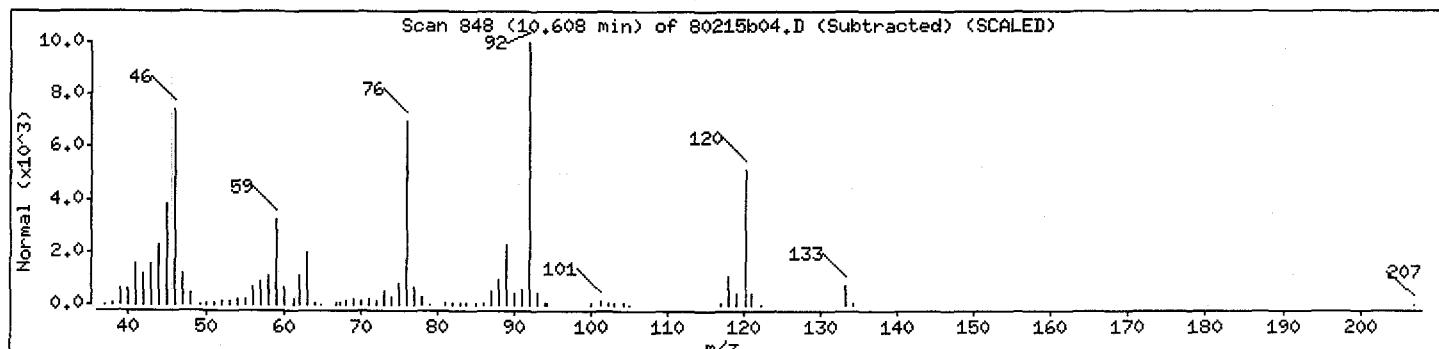
Entry Quality

Formula Weight

Unknown

0 0

0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-009

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80215b08a

Level: (TRACE/LOW/MED) TRACE

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/15/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.96	
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.6	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-009

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80215b08a

Level: (TRACE/LOW/MED) TRACE

Date Received: _____

% Moisture: not dec.

Date Analyzed: 02/15/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	- U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK01

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-009

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 80215b08a

Level: (TRACE or LOW/MED) TRACE

Date Received: _____

% Moisture: not dec.

Date Analyzed: 02/15/2012

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b08a.D
Lab Smp Id: NB02045-009 Client Smp ID: VHBLK01
Inj Date : 15-FEB-2012 12:12
Operator : DLB Inst ID: msd8.i
Smp Info : 8feb1512b.b, NB02045-009
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb1512b.b\TRACE-8.m
Meth Date : 16-Feb-2012 08:50 dlb Quant Type: ISTD
Cal Date : 10-FEB-2012 15:16 Cal File: 80210c06.D
Als bottle: 8 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)
1 Dichlorodifluoromethane	85					Compound Not Detected.	
2 Chloromethane	50		1.295	1.295 (0.233)		38544	0.96424
\$ 3 Vinyl Chloride-d3	65		1.366	1.366 (0.246)		96627	4.80573
4 Vinyl Chloride	62					Compound Not Detected.	
5 Bromomethane	94					Compound Not Detected.	
\$ 6 Chloroethane-d5	69		1.638	1.626 (0.295)		66551	4.36443
7 Chloroethane	64					Compound Not Detected.	
8 Trichlorofluoromethane	101					Compound Not Detected.	
\$ 12 1,1-Dichloroethene-d2	63		2.147	2.147 (0.387)		204184	4.31283
13 1,1-Dichloroethene	96					Compound Not Detected.	
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.	
14 Acetone	43		2.194	2.194 (0.395)		5908	2.57719
15 Carbon Disulfide	76					Compound Not Detected.	
16 Methyl Acetate	43					Compound Not Detected.	
17 Methylene Chloride	84					Compound Not Detected.	
20 Methyl tert-Butyl Ether	73					Compound Not Detected.	
21 trans-1,2-Dichloroethene	96					Compound Not Detected.	
23 1,1-Dichloroethane	63					Compound Not Detected.	
\$ 25 2-Butanone-d5	46		3.898	3.886 (0.702)		240695	38.1283
26 cis-1,2-Dichloroethene	96					Compound Not Detected.	
28 2-Butanone	43					Compound Not Detected.	
29 Bromochloromethane	128					Compound Not Detected.	
\$ 30 Chloroform-d	84		4.312	4.312 (0.776)		221502	5.42696
31 Chloroform	83					Compound Not Detected.	

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
33 1,1,1-Trichloroethane		97				Compound Not Detected.	
32 Cyclohexane		56				Compound Not Detected.	
34 Carbon Tetrachloride		117				Compound Not Detected.	
\$ 38 1,2-Dichloroethane-d4		65	4.963	4.963 (0.893)		102146	6.24965 6.2496
\$ 36 Benzene-d6		84	4.975	4.963 (0.527)		447701	5.22248 5.2224
37 Benzene		78				Compound Not Detected.	
39 1,2-Dichloroethane		62				Compound Not Detected.	
* 41 1,4-Difluorobenzene		114	5.554	5.543 (1.000)		433081	5.00000
42 Trichloroethene		95				Compound Not Detected.	
\$ 44 1,2-Dichloropropane-d6		67	6.051	6.040 (0.641)		110614	4.33058 4.3305
43 Methylcyclohexane		83				Compound Not Detected.	
45 1,2-Dichloropropane		63				Compound Not Detected.	
49 Bromodichloromethane		83				Compound Not Detected.	
50 cis-1,3-Dichloropropene		75				Compound Not Detected.	
51 4-Methyl-2-pentanone		43				Compound Not Detected.	
\$ 52 Toluene-d8		98	7.495	7.495 (0.794)		409130	5.32699 5.3269
53 Toluene		91				Compound Not Detected.	
\$ 54 trans-1,3-Dichloropropene-d4		79	7.897	7.885 (0.837)		107113	5.31056 5.3105
55 trans-1,3-Dichloropropene		75				Compound Not Detected.	
56 1,1,2-Trichloroethane		97				Compound Not Detected.	
57 Tetrachloroethene		164				Compound Not Detected.	
\$ 58 2-Hexanone-d5		63	8.489	8.477 (0.900)		178296	34.5498 34.5498
60 2-Hexanone		43				Compound Not Detected.	
61 Dibromochloromethane		129				Compound Not Detected.	
62 1,2-Dibromoethane		107				Compound Not Detected.	
* 63 Chlorobenzene-d5		117	9.436	9.436 (1.000)		374950	5.00000
64 Chlorobenzene		112				Compound Not Detected.	
65 Ethylbenzene		91				Compound Not Detected.	
67 m+p-Xylenes		106				Compound Not Detected.	
68 o-Xylene		106				Compound Not Detected.	
69 Styrene		104				Compound Not Detected.	
70 Bromoform		173				Compound Not Detected.	
71 Isopropylbenzene		105				Compound Not Detected.	
\$ 72 1,1,2,2-Tetrachloroethane-d2		84	10.832	10.820 (1.148)		61503	4.82785 4.8278
74 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
83 1,3-Dichlorobenzene		146				Compound Not Detected.	
* 85 1,4-Dichlorobenzene-d4		152	11.672	11.660 (1.000)		196184	5.00000 (Q)
86 1,4-Dichlorobenzene		146				Compound Not Detected.	
\$ 87 1,2-Dichlorobenzene-d4		152	11.956	11.956 (1.024)		135251	5.45059 5.4505
89 1,2-Dichlorobenzene		146				Compound Not Detected.	
90 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.	
91 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
94 1,2,3-Trichlorobenzene		180				Compound Not Detected.	

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

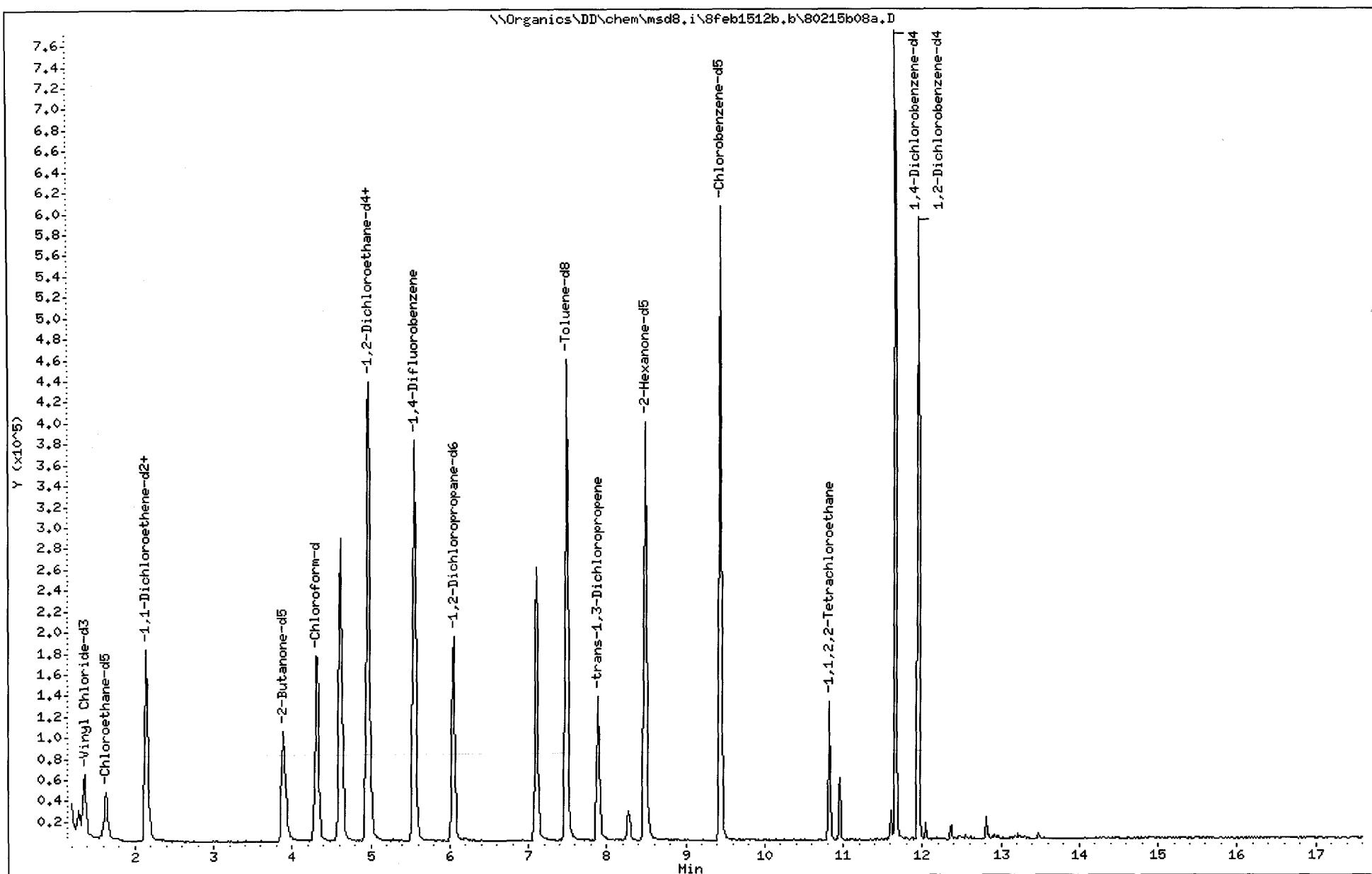
Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b08a.D
Lab Smp Id: NB02045-009 Client Smp ID: VHBLK01
Inj Date : 15-FEB-2012 12:12 Inst ID: msd8.i
Operator : DLB
Smp Info : 8feb1512b.b, NB02045-009
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd8.i\8feb1512b.b\TRACE-8.m
Meth Date : 16-Feb-2012 08:50 dlb Quant Type: ISTD
Cal Date : 10-FEB-2012 15:16 Cal File: 80210c06.D
Als bottle: 8 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\DD\chem\msd8.i\8feb1512b.b\80215b08a.D
Date : 15-FEB-2012 12:12
Client ID: VHBLK01
Sample Info: 8feb1512b.b, NB02045-009
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18



Date : 15-FEB-2012 12:12

Client ID: VHBLK01

Instrument: msd8.i

Sample Info: 8feb1512b.b, NB02045-009

Purge Volume: 25.0

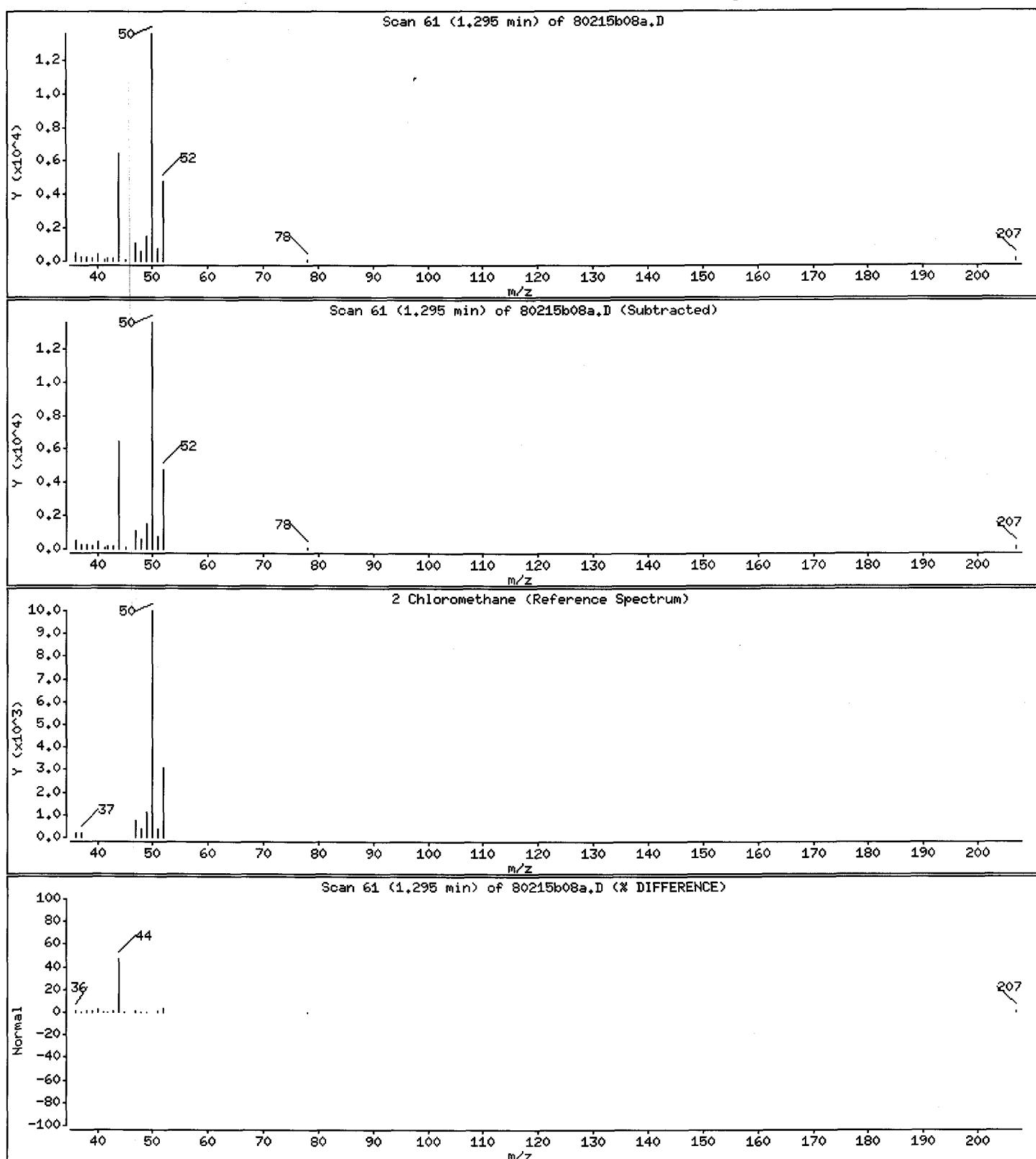
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

2 Chloromethane

Concentration: 0.9642 ug/L



Date : 15-FEB-2012 12:12

Client ID: VHBLK01

Instrument: msd8.i

Sample Info: 8feb1512b.b, NB02045-009

Purge Volume: 25.0

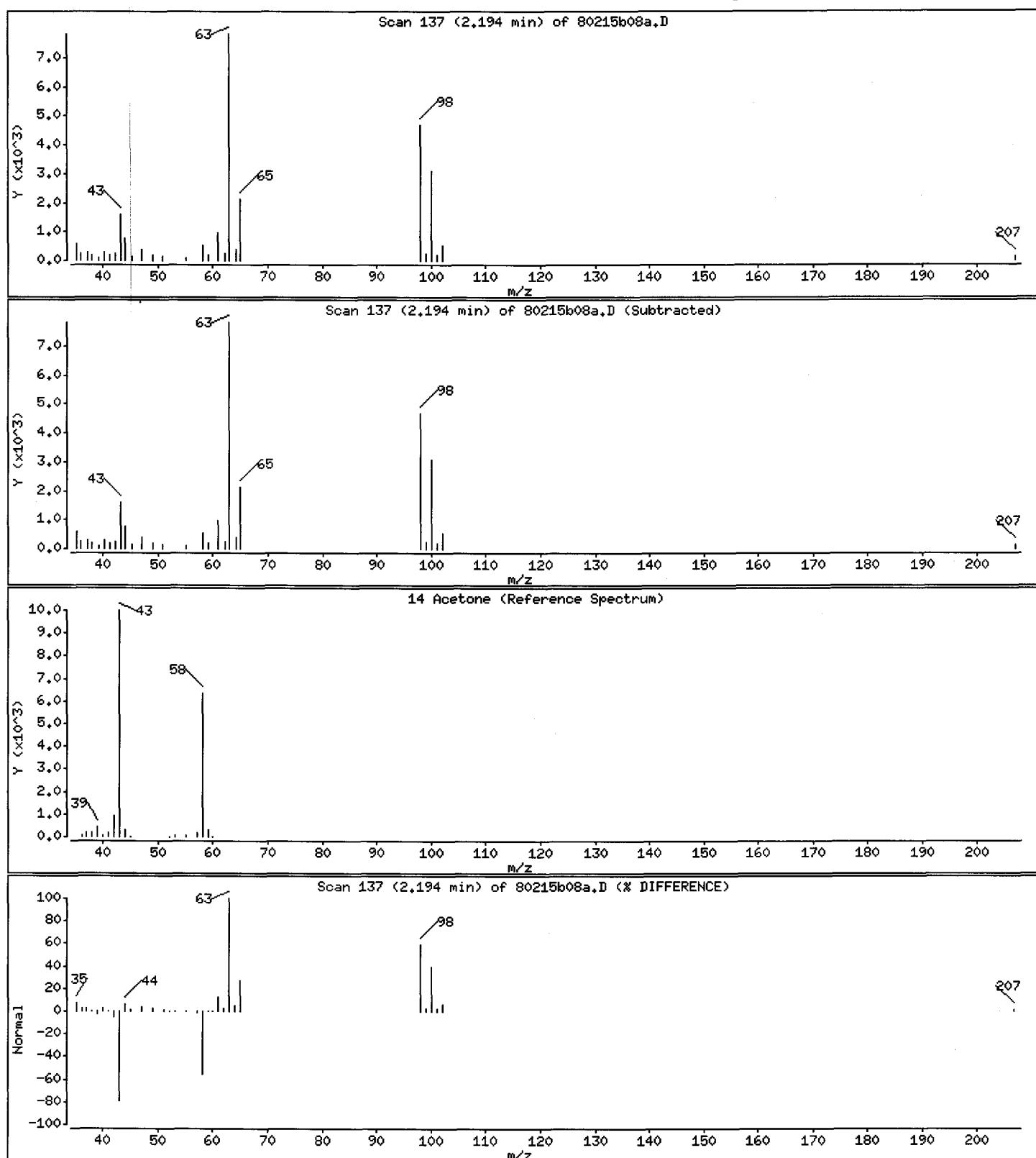
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 2.5771 ug/L



Shealy Environmental Services, Inc.

SOM01.2 SAMPLE DATA PACKAGE

CASE #: 42182

SDG #: F5AW6

LAB CODE: SHEALY

CONTRACT #: EPW1135

E. Volatiles Data

1. Volatiles QC Summary
2. Volatiles Sample Data
3. Volatiles Standards Data
4. Volatiles Raw QC Data

1. Volatiles QC Summary

- a. Deuterated Monitoring Compound (DMC)
Recovery
(Form II VOA)
- b. Matrix Spike/Matrix Spike Duplicate Recovery
(Form III VOA)
- c. Method Blank Summary
(Form IV VOA)
- d. GC/MS Instrument Performance Check
(Form V VOA)
- e. Internal Standard Area and RT Summary
(Form VIII VOA)

a. Deuterated Monitoring Compound
(DMC) Recovery
(Form II VOA)

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Level: (TRACE or LOW) LOW

EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01 VBLKPL	100	113	80	85	97	99	101
02 F5AX1	102	112	94	78	97	97	100
03 F5AX2	103	115	136 *	70	99	98	102
04 F5AX6	100	112	79	64	96	94	98
05 VBLKPT	101	96	84	70	94	97	88
06 VHBLK02	94	94	75	97	95	107	91
07							
08							
09							
10							
11							
12							
13							
14							
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26							
27							
28							
29							
30							

QC LIMITS

VDMC1 (VCL) = Vinyl chloride-d ₃	(65-131)
VDMC2 (CLA) = Chloroethane-d ₅	(71-131)
VDMC3 (DCE) = 1,1-Dichloroethene-d ₂	(55-104)
VDMC4 (BUT) = 2-Butanone-d ₅	(49-155)
VCMD5 (CLF) = Chloroform-d	(78-121)
VDMC6 (DCA) = 1,2-Dichloroethane-d ₄	(78-129)
VDMC7 (BEN) = Benzene-d ₆	(77-124)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT
01	VBLKPL	102	99	93	77	53	91	99	0
02	F5AX1	99	98	89	69	45	*	86	99
03	F5AX2	102	101	90	63	46	*	83	100
04	F5AX6	97	94	86	57	43	*	77	93
05	VBLKPT	81	87	85	58	54	85	87	0
06	VHBLK02	88	90	96	64	53	89	93	0
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

QC LIMITS

VDMC8 (DPA) = 1,2-Dichloropropane-d ₆	(79-124)
VMDC9 (TOL) = Toluene-d ₈	(77-121)
VDMC10 (TDP) = trans-1,3-Dichloropropene-d ₄	(73-121)
VDMC11 (HEX) = 2-Hexanone-d ₅	(28-135)
VDMC12 (DXE) = 1,4-Dioxane-d ₈	(50-150)
VDMC13 (TCA) = 1,1,2,2-Tetrachloroethane-d ₂	(73-125)
VDMC14 (DCZ) = 1,2-Dichlorobenzene-d ₄	(80-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

Report 1,4-Dioxane-d₈ for Low-Medium VOA analysis only

c. Method Blank Summary (Form IV
VOA)

Arrange in chronological order by date of analysis of the
blanks and by instrument.

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

VBLKPL

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6Lab File ID: 70212A03 Lab Sample ID: NQ77649-001Instrument ID: MSD7Matrix: (SOIL/SED/WATER) Water Date Analyzed: 02/12/2012Level: (TRACE or LOW/MED) LOW Time Analyzed: 0416GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 F5AX1	NB02045-010	70212A07	0540
02 F5AX2	NB02045-011	70212A08	0602
03 F5AX6	NB02045-012	70212A09	0623
04			
05			
06			
07			
08			
09			
10			
11			
12			
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COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

VBLKPT

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6Lab File ID: 50220A03Lab Sample ID: NQ78238-001Instrument ID: MSD5Matrix: (SOIL/SED/WATER) Water Date Analyzed: 02/20/2012Level: (TRACE or LOW/MED) LOW Time Analyzed: 1255GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 VHBLK02	NB02045-013	50220A07	1610
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
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29			
30			

COMMENTS: _____

**d. GC/MS Instrument Performance Check
(Form V VOA)**

Arrange in chronological order, by instrument.

5A - FORM V VOA
 VOLATILE ORGANIC INSTRUMENT
 PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBMT

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Lab File ID: 70211B01 BFB Injection Date: 02/11/2012

Instrument ID: MSD7 BFB Injection Time: 1651

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 80.0% of mass 95	49.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 120% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.4 (7.3) 1
176	95.0 - 101% of mass 174	72.8 (98.9) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 2

1-Value is %mass 174

2-Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200MT	VSTD200MT	70211B02	02/11/2012	1717
02	VSTD100MT	VSTD100MT	70211B03	02/11/2012	1739
03	VSTD050MT	VSTD050MT	70211B04	02/11/2012	1800
04	VSTD050MT	VSTD050MT	70211B04	02/11/2012	1800
05	VSTD010MT	VSTD010MT	70211B05	02/11/2012	1821
06	VSTD005MT	VSTD005MT	70211B06	02/11/2012	1843
07	VSTD050PL	VSTD050PL	70211B30	02/12/2012	0313
08	VBLKPL	NQ77649-001	70212A03	02/12/2012	0416
09	F5AX1	NB02045-010	70212A07	02/12/2012	0540
10	F5AX2	NB02045-011	70212A08	02/12/2012	0602
11	F5AX6	NB02045-012	70212A09	02/12/2012	0623
12	VSTD050QB	VSTD050QB	70212A23	02/12/2012	1118
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

SAP
02/22/12

5A - FORM V VOA
 VOLATILE ORGANIC INSTRUMENT
 PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBOJ

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Lab File ID: 50216A01 BFB Injection Date: 02/16/2012

Instrument ID: MSD5 BFB Injection Time: 1616

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 80.0% of mass 95	46.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120% of mass 95	95.3
175	5.0 - 9.0% of mass 174	6.3 (6.6) 1
176	95.0 - 101% of mass 174	91.1 (95.5) 1
177	5.0 - 9.0% of mass 176	5.4 (5.9) 2

1-Value is %mass 174

2-Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD2000J	VSTD2000J	50216A02	02/16/2012	1642
02	VSTD1000J	VSTD1000J	50216A03	02/16/2012	1728
03	VSTD0500J	VSTD0500J	50216A04	02/16/2012	1751
04	VSTD0050J	VSTD0050J	50216A06	02/16/2012	1925
05	VSTD0100J	VSTD0100J	50216A08	02/16/2012	2256
06					
07					
08					
09					
10					
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12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
 VOLATILE ORGANIC INSTRUMENT
 PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBPT

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Lab File ID: 50220A01 BFB Injection Date: 02/20/2012

Instrument ID: MSD5 BFB Injection Time: 1027

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.6
75	30.0 - 80.0% of mass 95	47.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (0.8) 1
174	50.0 - 120% of mass 95	99.6
175	5.0 - 9.0% of mass 174	7.6 (7.6) 1
176	95.0 - 101% of mass 174	95.4 (95.8) 1
177	5.0 - 9.0% of mass 176	6.2 (6.4) 2

1-Value is %mass 174

2-Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050PT	VSTD050PT	50220A02	02/20/2012	1107
02	VBLKPT	NQ78238-001	50220A03	02/20/2012	1255
03	VHBLK02	NB02045-013	50220A07	02/20/2012	1610
04	VSTD050PY	VSTD050PY	50220A19	02/20/2012	2212
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

e. Internal Standard Area and RT
Summary
(Form VIII VOA)

Arrange in chronological order, by instrument.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035
 Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: SDG No.: F5AW6
 GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 02/11/2012 02/11/2012
 EPA Sample No. (VSTD####): VSTD050PL Date Analyzed: 02/12/2012
 Lab File ID (Standard): 70211B30 Time Analyzed: 0313
 Instrument ID: MSD7 Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	3481925	10.160	3829647	6.400	2009186	12.450
UPPER LIMIT	6963850	10.656	7659294	6.897	4018372	12.945
LOWER LIMIT	1740963	9.656	1914824	5.897	1004593	11.945
EPA SAMPLE NO.						
01 VBLKPL	3273729	10.160	3624532	6.400	1807104	12.45
02 F5AX1	3309342	10.160	3665225	6.390	1802467	12.45
03 F5AX2	3254566	10.160	3613868	6.400	1779539	12.45
04 F5AX6	3314022	10.160	3649761	6.390	1817800	12.45
05						
06						
07						
08						
09						
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13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (CBZ) = Chlorobenzene-d₅

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d₄

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-11-035
 Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6
 GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 02/16/2012 02/16/2012
 EPA Sample No. (VSTD#####): VSTD050PT Date Analyzed: 02/20/2012
 Lab File ID (Standard): 50220A02 Time Analyzed: 1107
 Instrument ID: MSD5 Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	430777	9.790	430391	6.510	265768	11.710
UPPER LIMIT	861554	10.294	860782	7.005	531536	12.213
LOWER LIMIT	215389	9.294	215196	6.005	132884	11.213
EPA SAMPLE NO.						
01 VBLKPT	378806	9.790	379139	6.510	237714	11.71
02 VHBLK02	372410	9.790	375137	6.510	229119	11.71
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (CBZ) = Chlorobenzene-d₅

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d₄

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

2. Volatiles Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I, VOA-1, VOA-2 and Form I VOA-TIC), followed by the raw data for volatile samples. These sample packets shall be placed in increasing EPA Sample ID number order, considering both letters and numbers.

- a. Target Compound Results
(Form I, VOA-1, VOA-2)
- b. Tentatively Identified Compounds (Form I VOA-TIC)
Lists up to 30 TICs
- c. Quantitation Report showing calculations for TCL analytes
- d. Quantitation Report showing calculations for TICs
- e. Reconstructed Total Ion Chromatograms
- f. Copies of raw spectra and copies of background-subtracted mass spectra of TCL analytes identified in the sample.
- g. Copies of mass spectra of organic compounds not listed in Exhibit C with associated best-match spectra.
- h. Printout of Manual Integrations

Spectra shall be labeled as follows: EPA Sample ID number, lab file ID, date and time of analysis, and instrument ID. The compound name must be clearly marked.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX1

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NB02045-010Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 70212A07Level: (TRACE/LOW/MED) LOW Date Received: 02/02/2012% Moisture: not dec. Date Analyzed: 02/12/2012GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	27	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	0.60	J
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	12	
156-59-2	cis-1,2-Dichloroethene	25	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	0.67	J
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	1.9	J
123-91-1	1,4-Dioxane	22	J

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX1

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NB02045-010

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 70212A07

Level: (TRACE/LOW/MED) LOW Date Received: 02/02/2012

% Moisture: not dec. Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	13	
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	12	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AX1

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 70212A07

Level: (TRACE or LOW/MED) LOW

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A07.D
Lab Smp Id: NB02045-010 Client Smp ID: F5AX1
Inj Date : 12-FEB-2012 05:40
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, NB02045-010
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					(ug/L)
		MASS	RT	EXP RT	REL RT	RESPONSE	
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl Chloride-d3	65		1.986	1.998 (0.311)		818747	50.8329
4 Vinyl Chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69		2.365	2.377 (0.370)		964176	56.0601
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63		3.148	3.148 (0.493)		1693290	47.0785
10 1,1,2-Trichloro-1,2,2-trifluo	101						
11 1,1-Dichloroethene	96		3.160	3.160 (0.495)		470962	27.3009 (QH)
12 Acetone	43						
13 Carbon Disulfide	76						
14 Methyl Acetate	43						
15 Methylene Chloride	84						
16 Methyl tert-Butyl Ether	73						
17 trans-1,2-Dichloroethene	96		3.919	3.930 (0.614)		11410	0.59519
18 1,1-Dichloroethane	63		4.358	4.369 (0.682)		362293	11.5197
\$ 19 2-Butanone-d5	46		4.903	4.915 (0.768)		1051741	78.0325
20 cis-1,2-Dichloroethene	96		4.986	4.986 (0.781)		530280	25.3760
21 2-Butanone	43						
22 Bromochloromethane	128						
\$ 23 Chloroform-d	84		5.306	5.306 (0.831)		1761094	48.3450
24 Chloroform	83		5.330	5.330 (0.835)		21252	0.66948
25 1,1,1-Trichloroethane	97						0.6694 (aQ)
							Compound Not Detected.

Compounds	QUANT SIG	MASS	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
26 Cyclohexane		56				Compound Not Detected.		
27 Carbon Tetrachloride		117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4		65	5.887	5.887 (0.922)	1131294	48.2573	48.2573	
\$ 29 Benzene-d6		84	5.923	5.923 (0.583)	4139698	49.8410	49.8410	
30 Benzene		78				Compound Not Detected.		
31 1,2-Dichloroethane		62	5.970	5.970 (0.935)	48294	1.88061	1.8806(a)	
* 32 1,4-Difluorobenzene		114	6.385	6.397 (1.000)	3665225	50.0000		
33 Trichloroethene		95	6.705	6.705 (0.660)	244554	12.5709	12.5709	
\$ 34 1,2-Dichloropropane-d6		67	6.860	6.859 (0.675)	1188546	49.6220	49.6219	
35 Methylcyclohexane		83				Compound Not Detected.		
36 1,2-Dichloropropane		63				Compound Not Detected.		
37 Bromodichloromethane		83				Compound Not Detected.		
38 1,4-Dioxane		88	7.109	7.120 (1.113)	10669	21.7815	21.7814(a)	
\$ 39 1,4-Dioxane-d8		96	7.061	7.061 (1.106)	195185	445.672	445.6718(R)	
\$ 40 trans-1,3-Dichloropropene-d4		79	7.785	7.796 (0.766)	2104088	44.3811	44.3810	
41 cis-1,3-Dichloropropene		75				Compound Not Detected.		
42 4-Methyl-2-pentanone		43				Compound Not Detected.		
\$ 43 Toluene-d8		98	8.188	8.188 (0.806)	3909082	49.1803	49.1802	
44 Toluene		91				Compound Not Detected.		
45 trans-1,3-Dichloropropene		75				Compound Not Detected.		
46 1,1,2-Trichloroethane		97				Compound Not Detected.		
47 Tetrachloroethene		164	9.065	9.077 (0.893)	203803	11.8517	11.8517	
\$ 48 2-Hexanone-d5		63	9.148	9.148 (0.901)	951768	69.2375	69.2374(Q)	
49 2-Hexanone		43				Compound Not Detected.		
50 Dibromochloromethane		129				Compound Not Detected.		
51 1,2-Dibromoethane		107				Compound Not Detected.		
* 52 Chlorobenzene-d5		117	10.156	10.156 (1.000)	3309342	50.0000		
53 Chlorobenzene		112				Compound Not Detected.		
54 Ethylbenzene		91				Compound Not Detected.		
55 m+p-Xylenes		106				Compound Not Detected.		
56 o-Xylene		106				Compound Not Detected.		
57 Styrene		104				Compound Not Detected.		
58 Bromoform		173				Compound Not Detected.		
59 Isopropylbenzene		105				Compound Not Detected.		
\$ 60 1,1,2,2-Tetrachloroethane-d2		84	11.520	11.520 (1.134)	1330822	43.0143	43.0142	
61 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.		
62 1,3-Dichlorobenzene		146				Compound Not Detected.		
* 63 1,4-Dichlorobenzene-d4		152	12.445	12.445 (1.000)	1802467	50.0000		
64 1,4-Dichlorobenzene		146				Compound Not Detected.		
\$ 65 1,2-Dichlorobenzene-d4		152	12.753	12.753 (1.025)	1597825	49.6273	49.6273	
66 1,2-Dichlorobenzene		146				Compound Not Detected.		
67 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.		
68 1,2,4-Trichlorobenzene		180				Compound Not Detected.		
69 1,2,3-Trichlorobenzene		180				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A07.D
Lab Smp Id: NB02045-010 Client Smp ID: F5AX1
Inj Date : 12-FEB-2012 05:40
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, NB02045-010
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\DD\chem\msd7.i\7feb1212.b\70212A07.D

Page 4

Date : 12-FEB-2012 05:40

Client ID: F5AX1

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

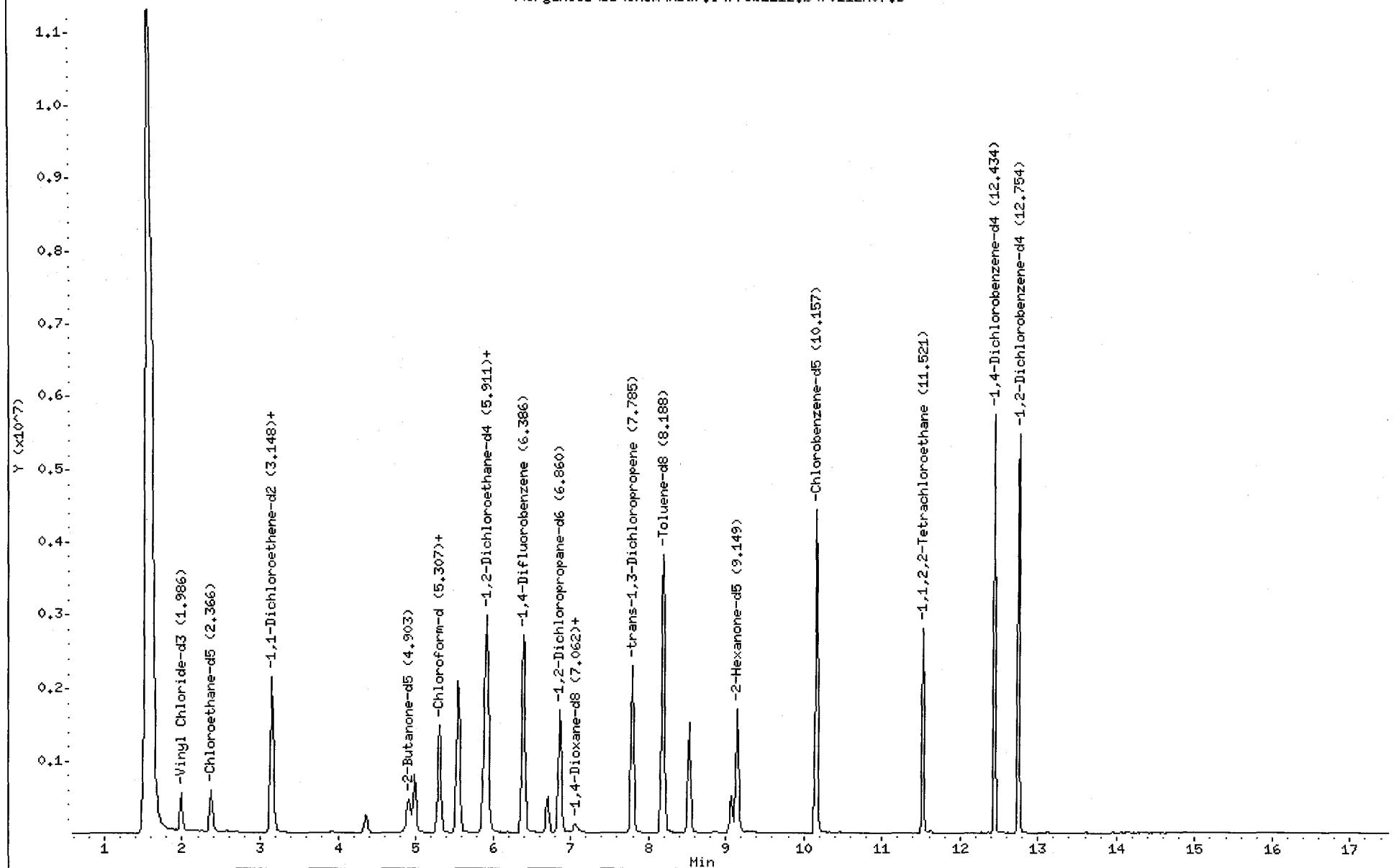
Column phase: DB-624

Instrument: msd7.i

Operator: LBS

Column diameter: 0.25

\\Organics\DD\chem\msd7.i\7feb1212.b\70212A07.D



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

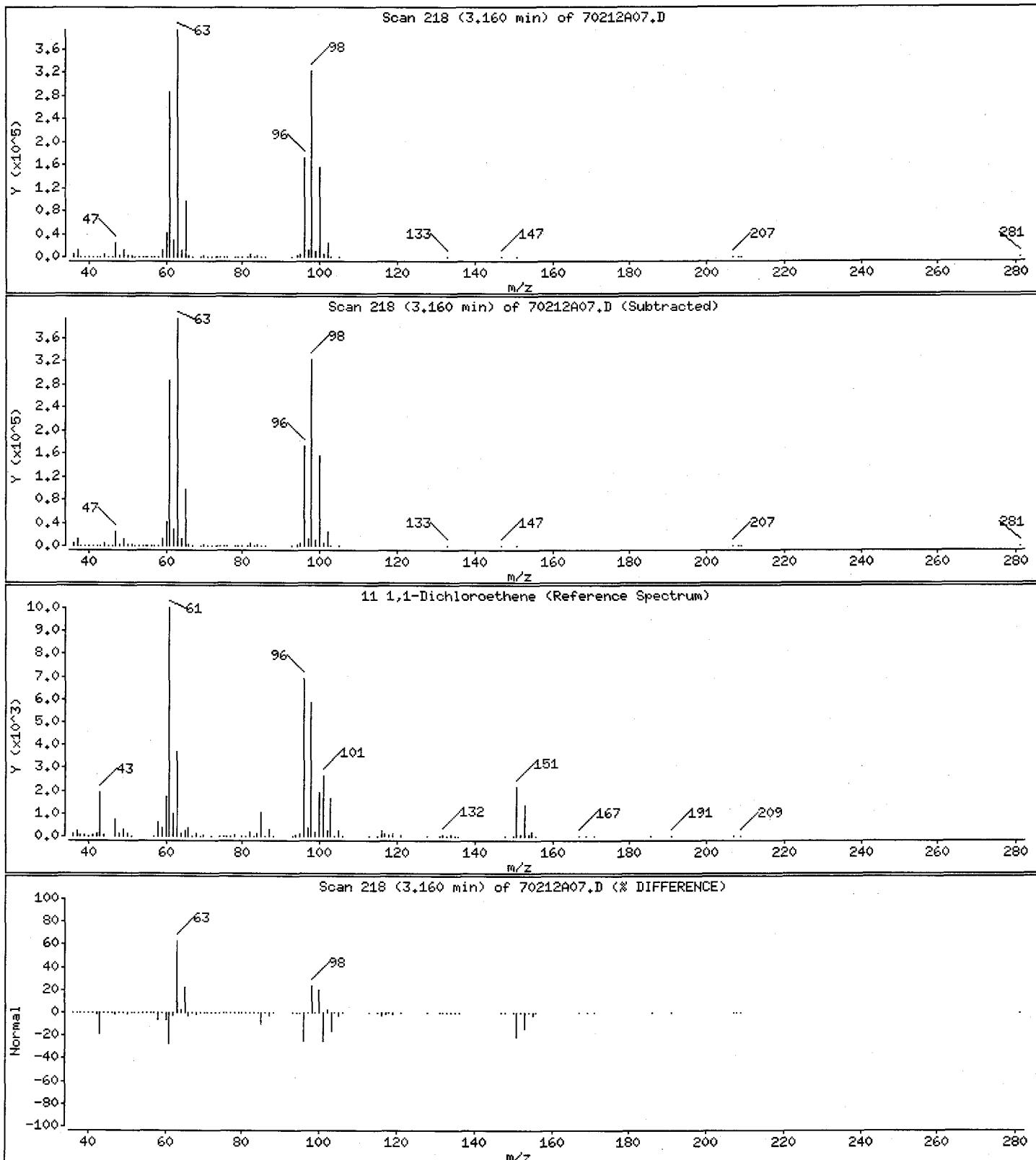
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

11 1,1-Dichloroethene

Concentration: 27,300 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

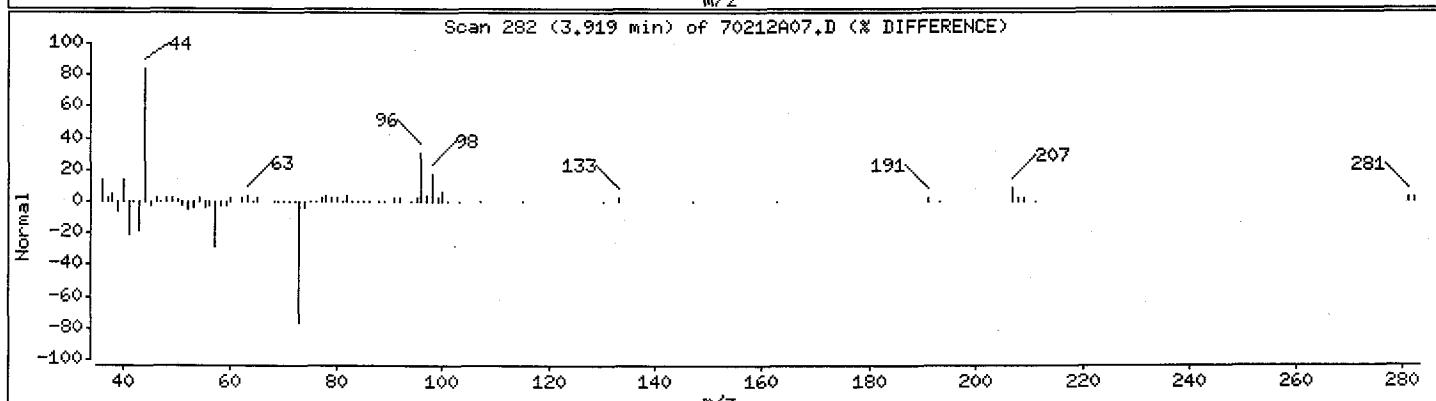
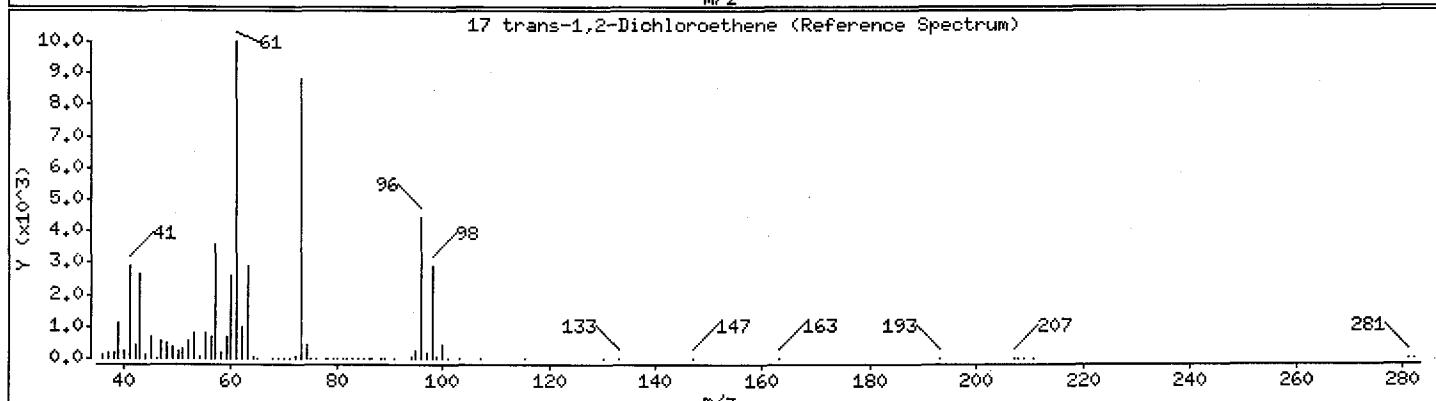
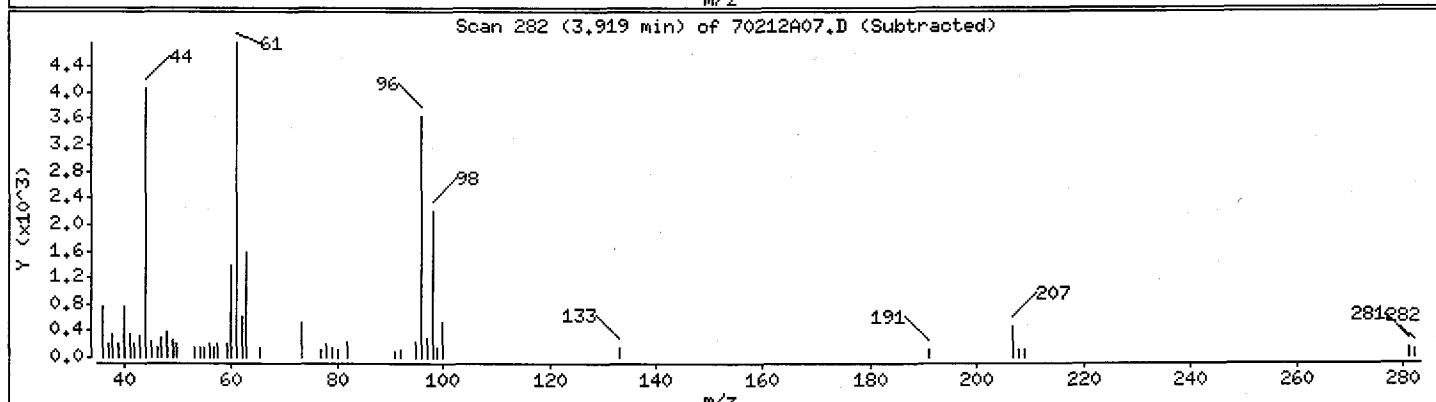
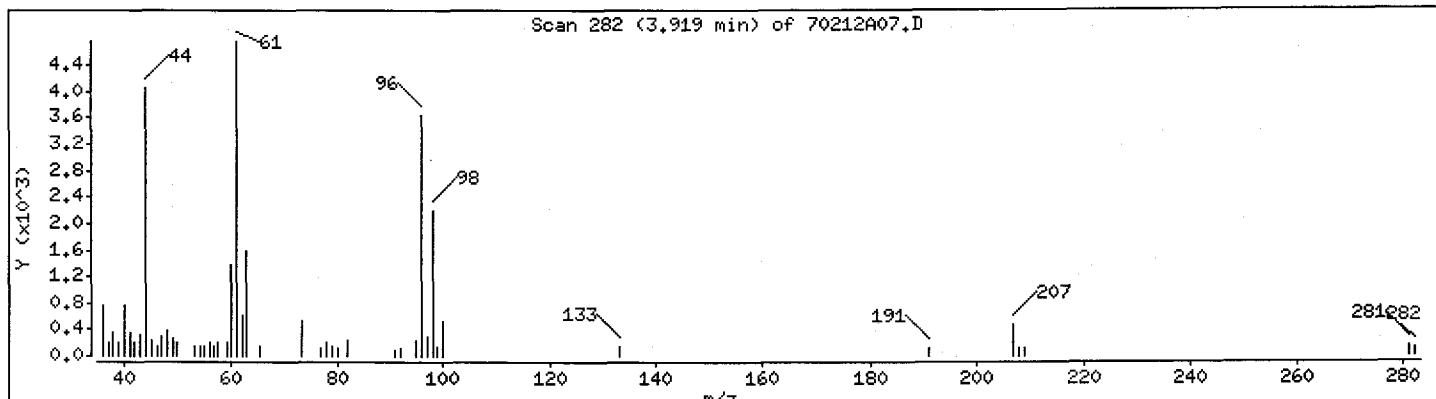
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

17 trans-1,2-Dichloroethene

Concentration: 0.5951 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

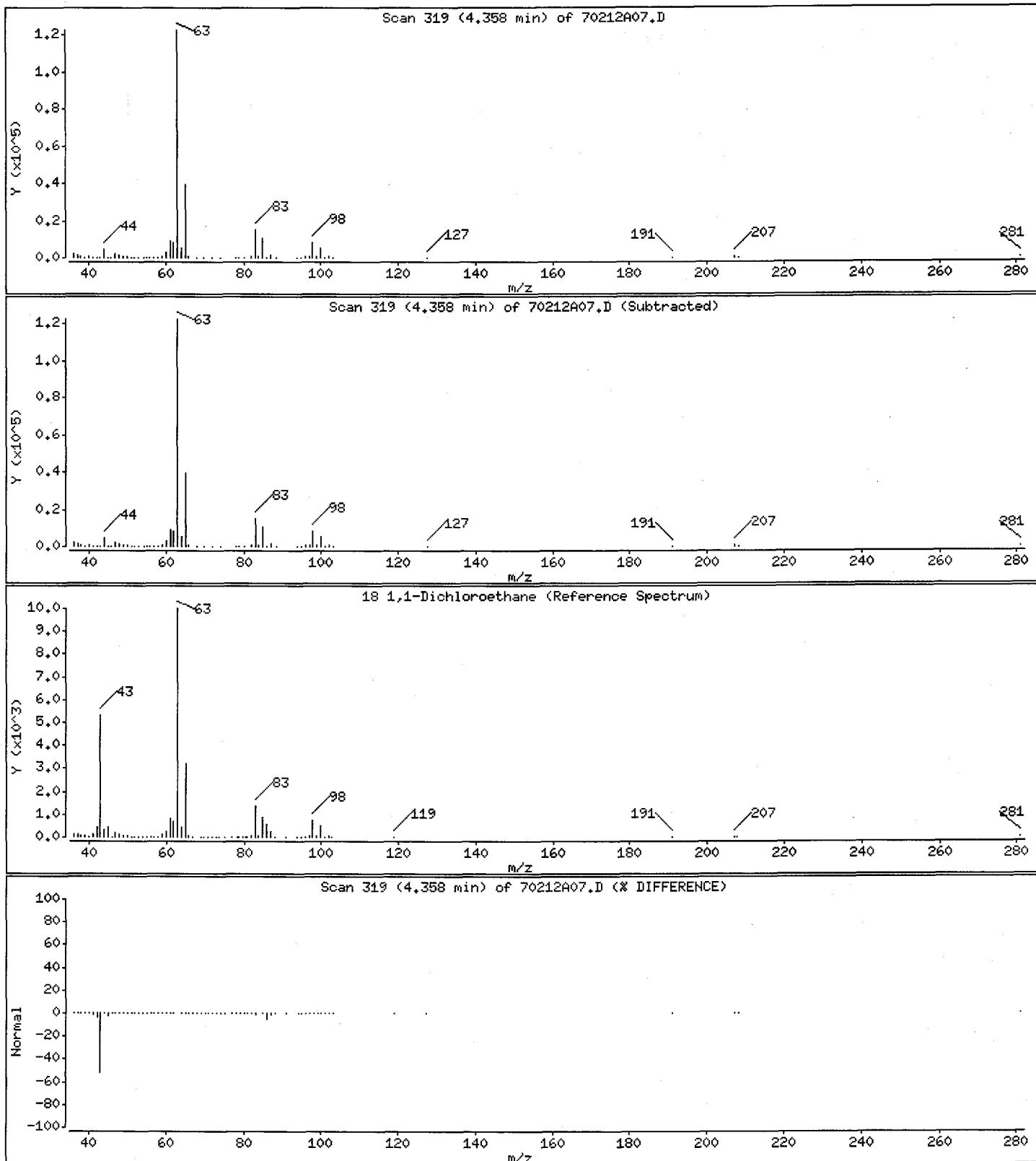
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

18 1,1-Dichloroethane

Concentration: 11.5196 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

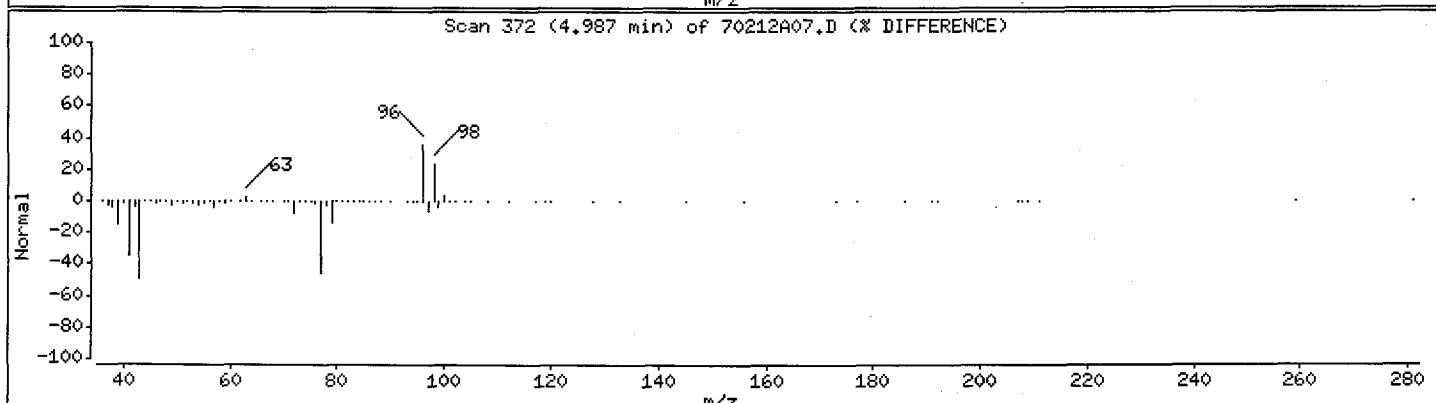
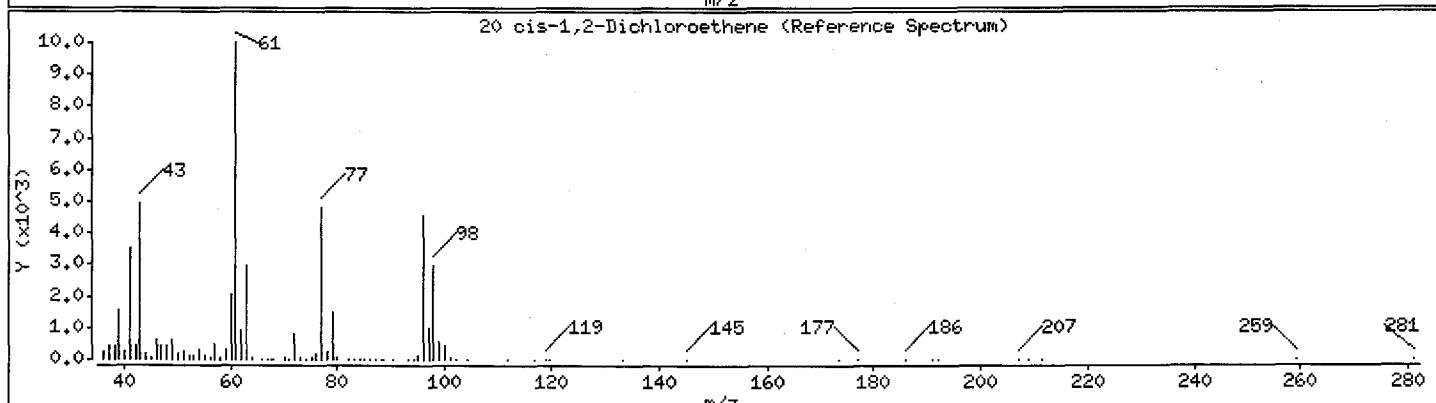
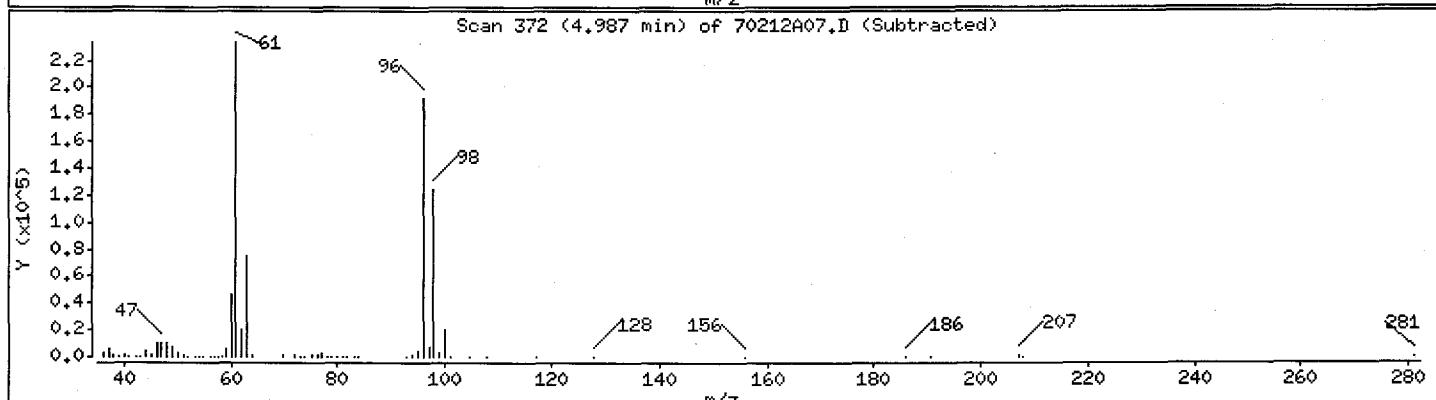
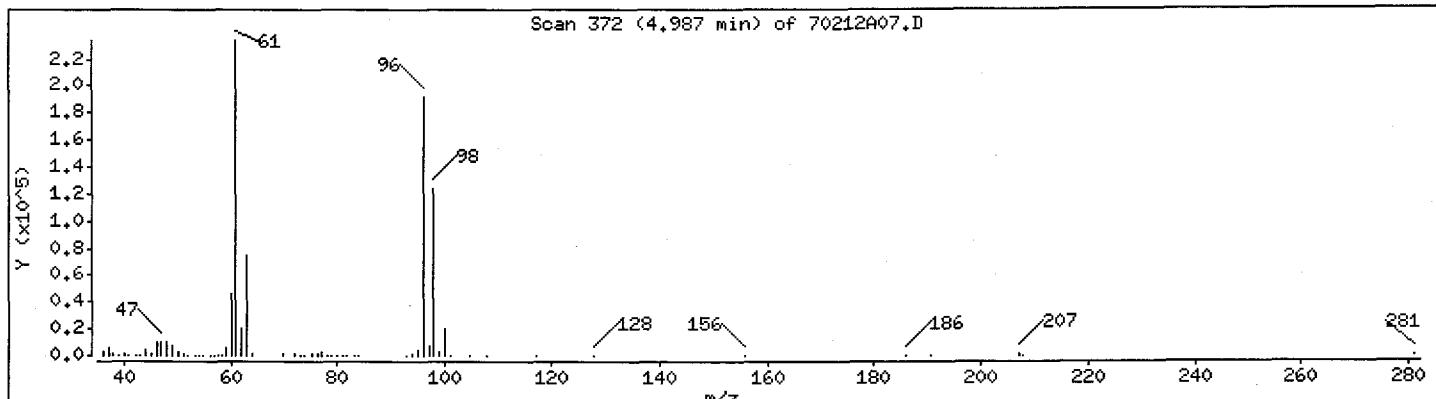
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

20 cis-1,2-Dichloroethene

Concentration: 25.3759 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

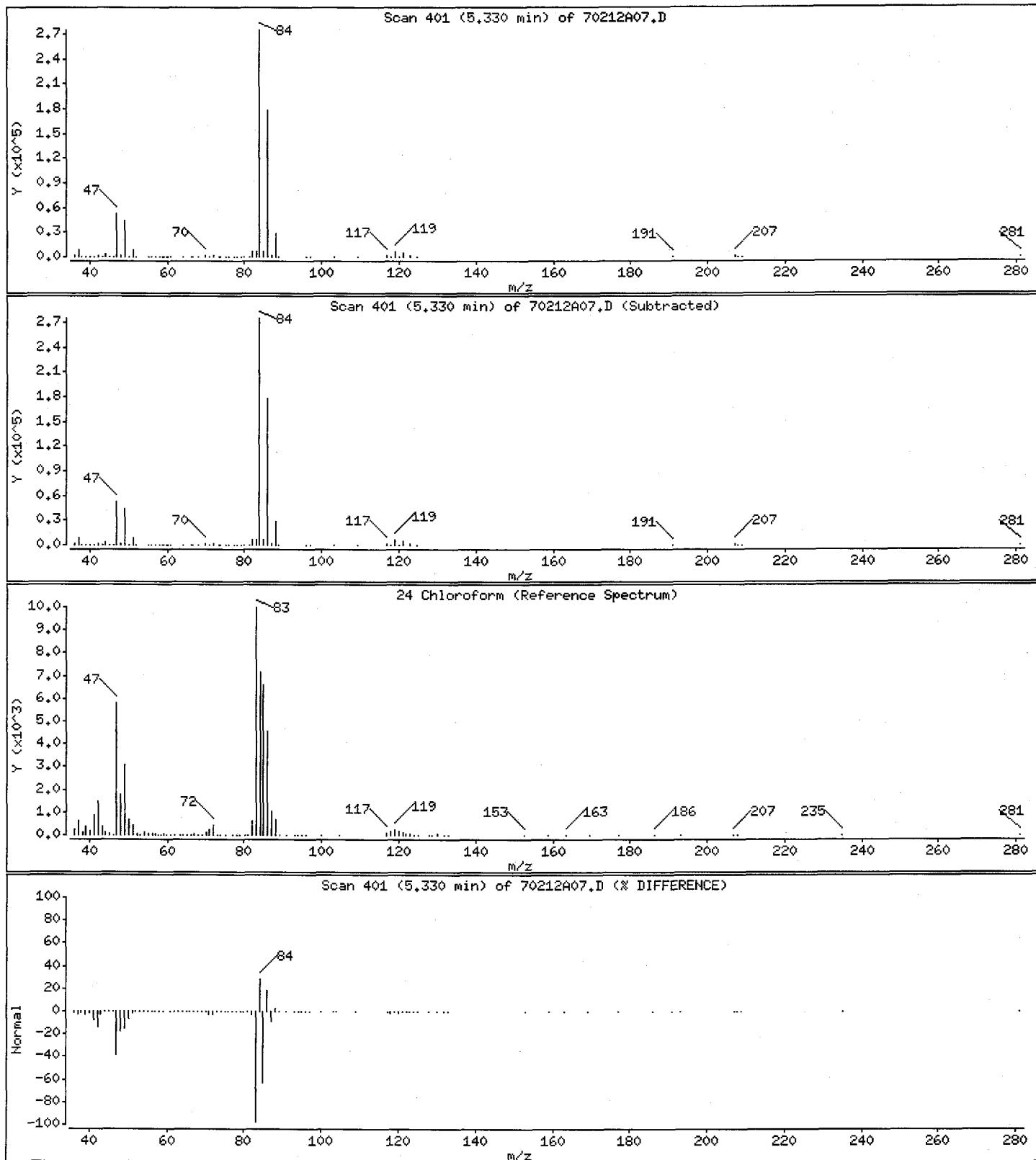
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

24 Chloroform

Concentration: 0.6694 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

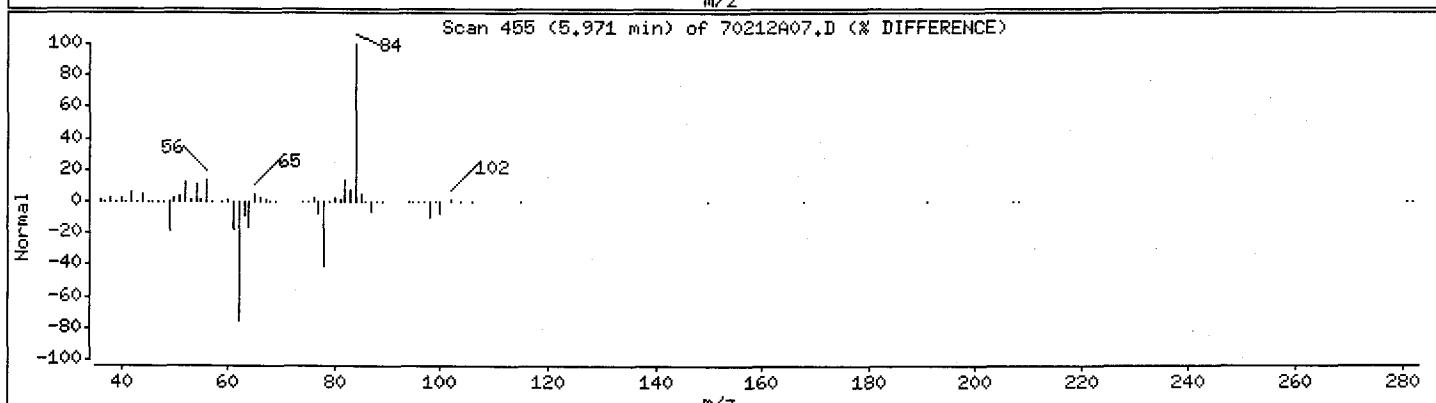
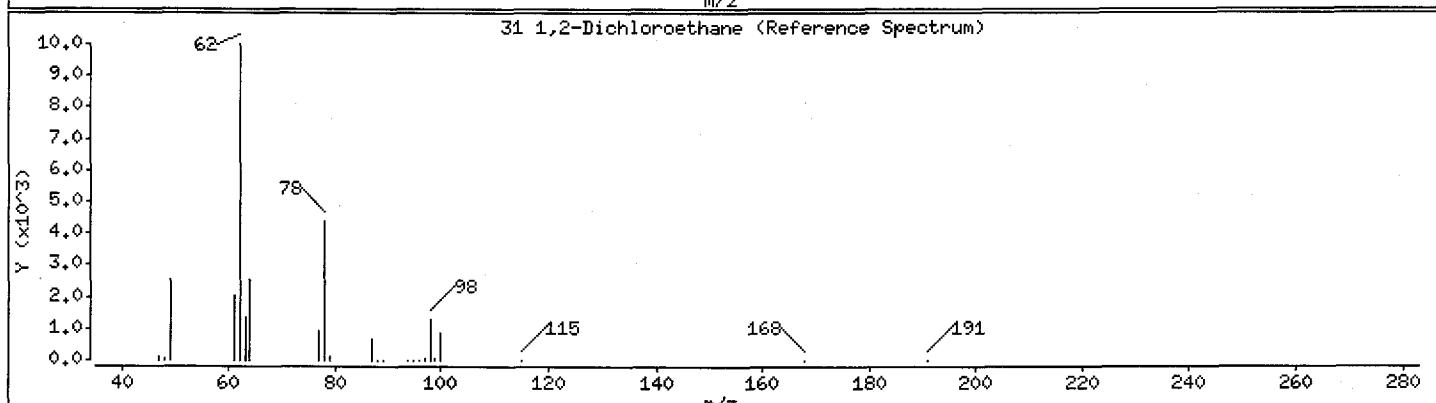
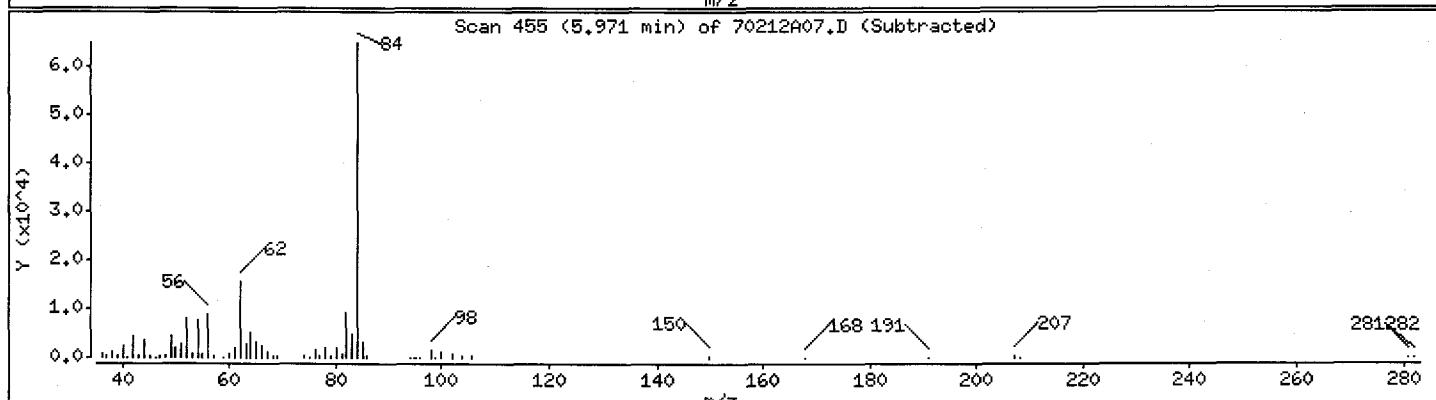
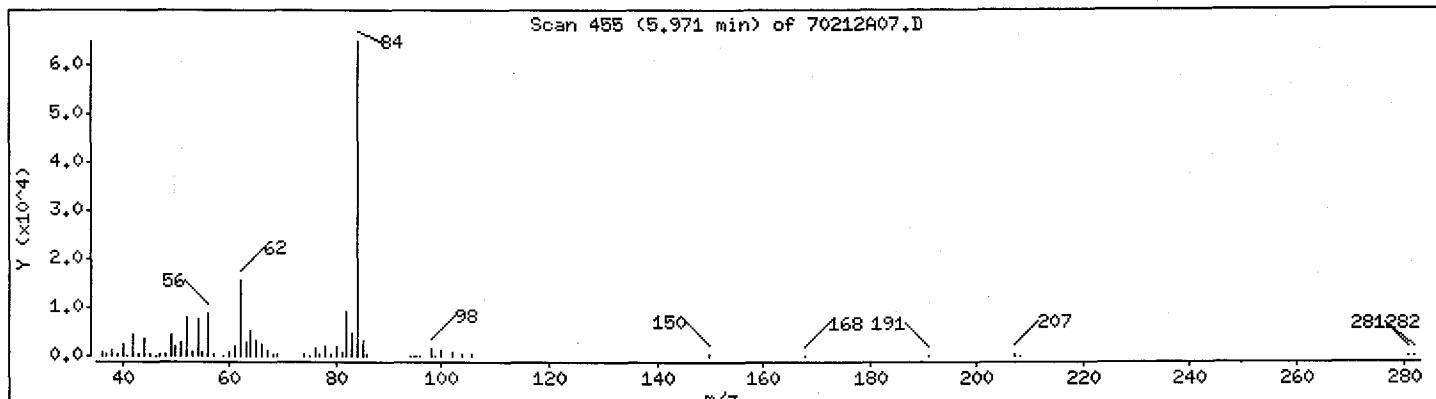
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

31 1,2-Dichloroethane

Concentration: 1.8806 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

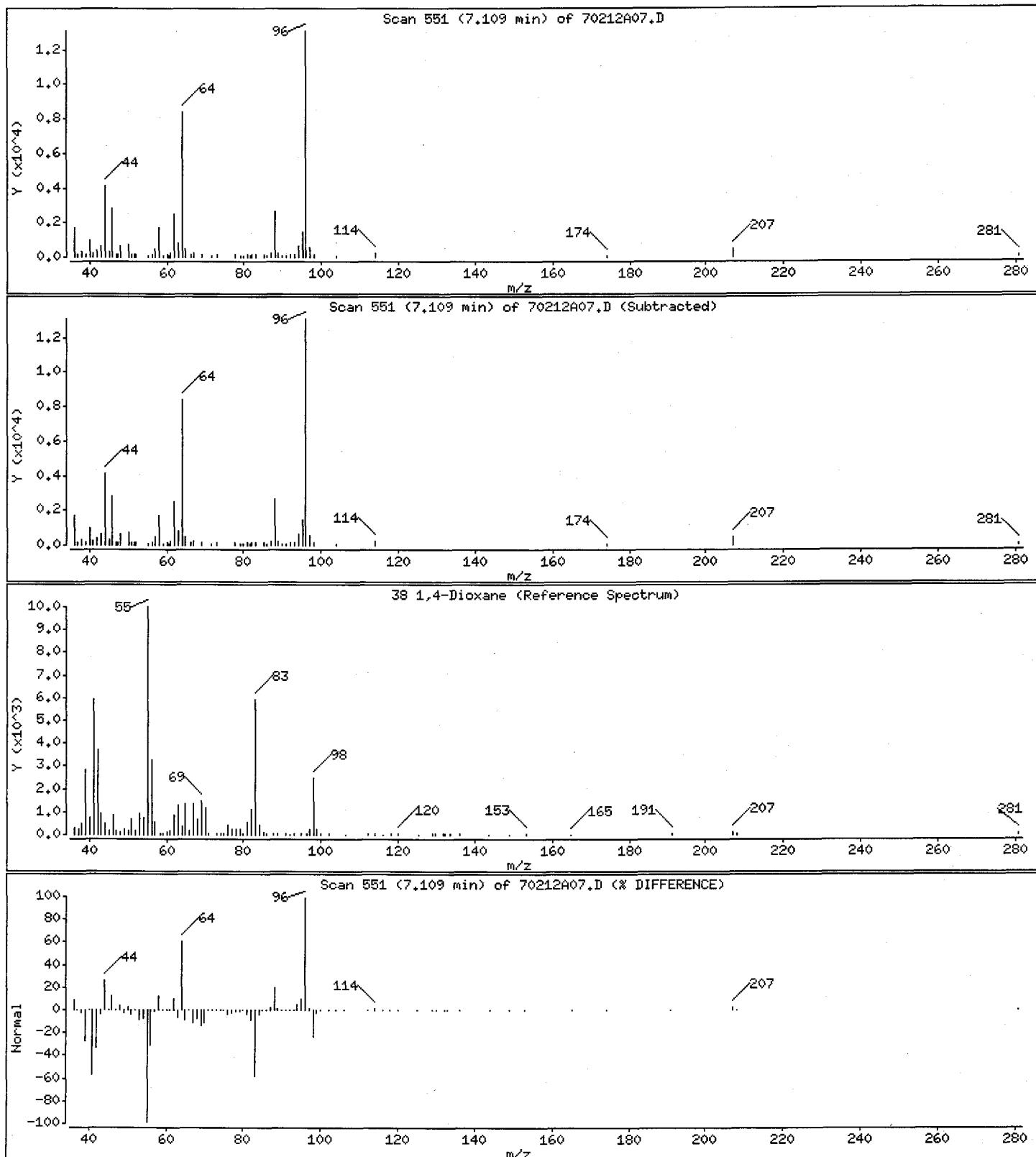
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

38 1,4-Dioxane

Concentration: 21.7814 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

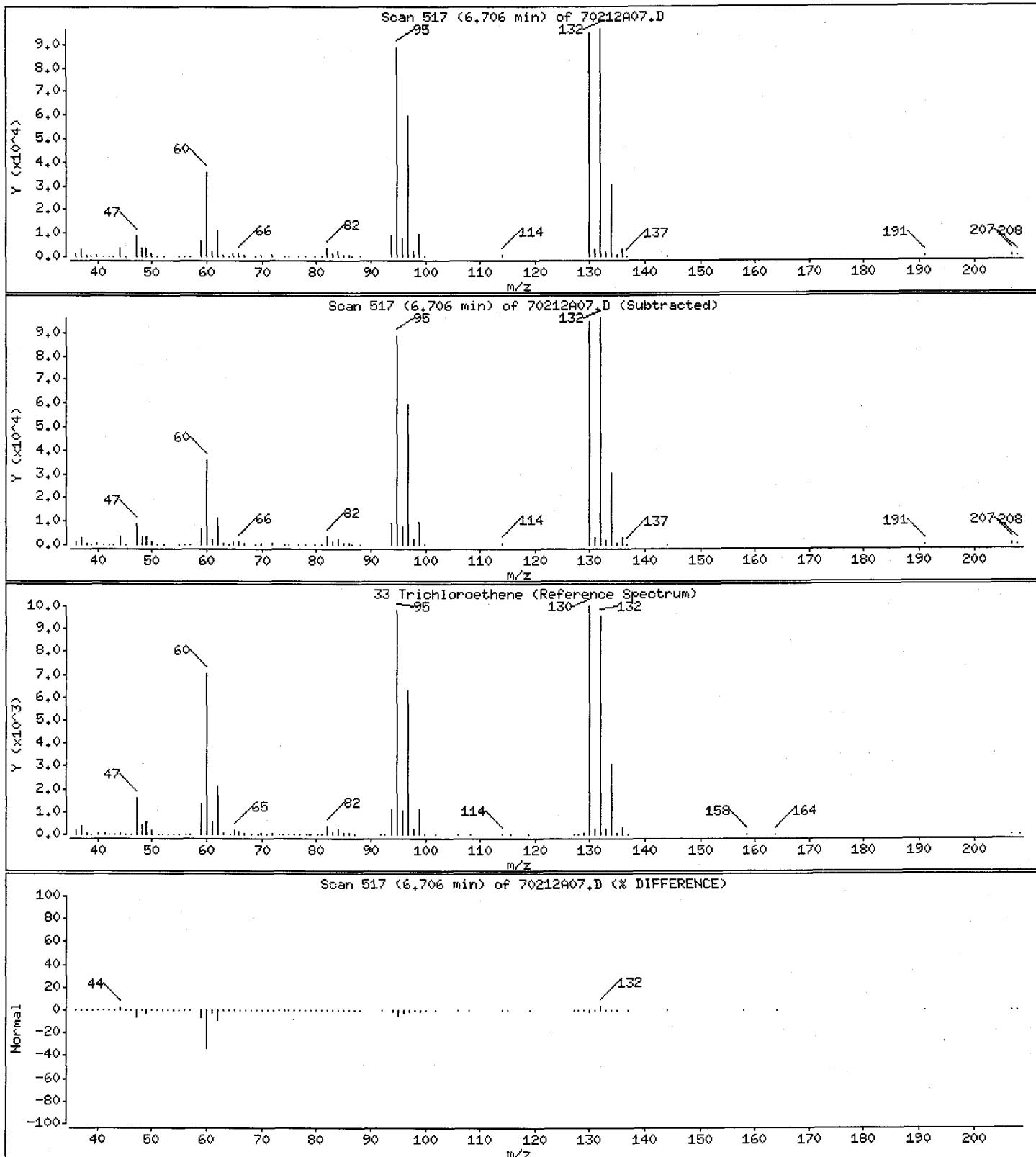
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

33 Trichloroethene

Concentration: 12.5709 ug/L



Date : 12-FEB-2012 05:40

Client ID: F5AX1

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-010

Purge Volume: 5.0

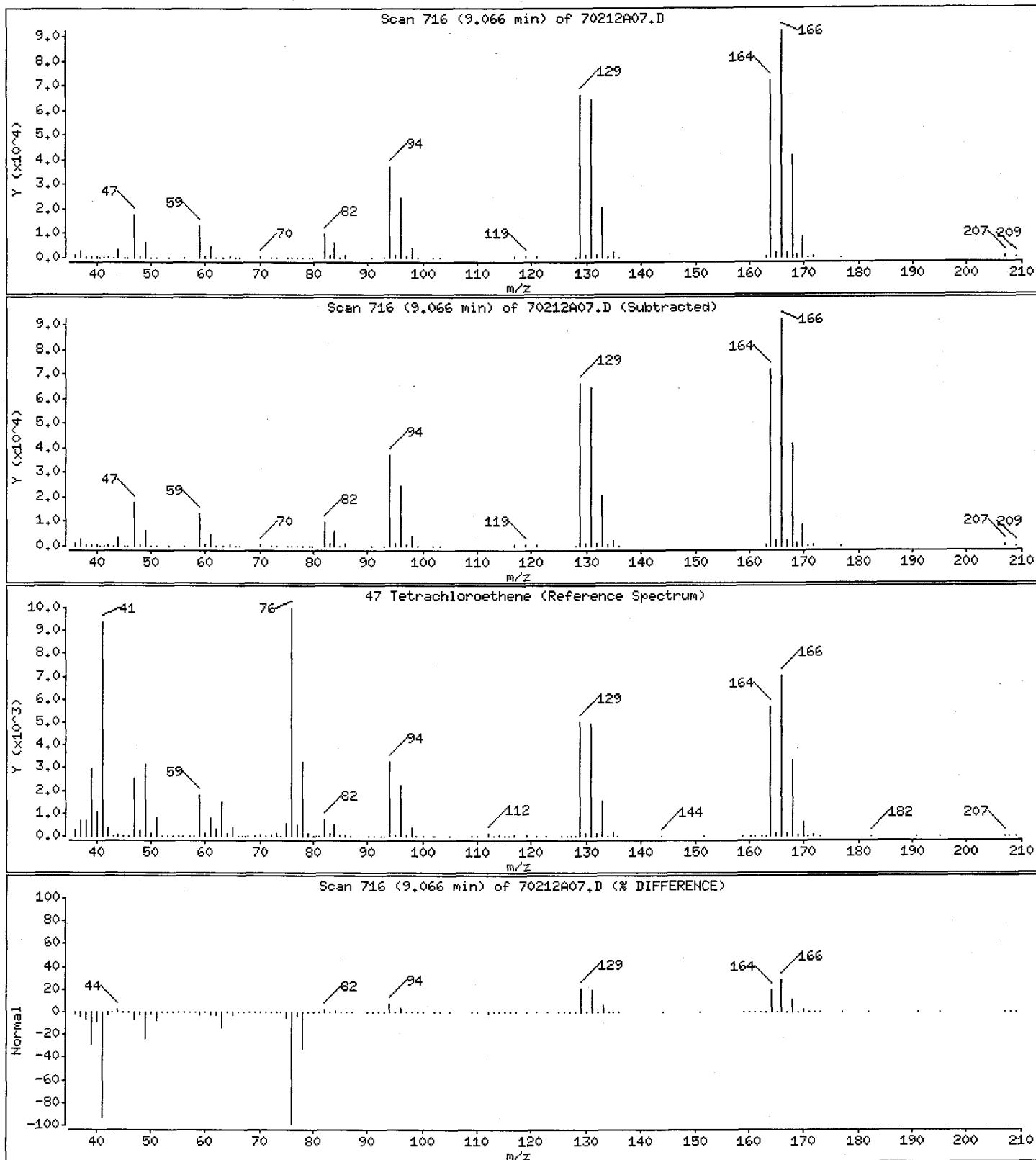
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

47 Tetrachloroethene

Concentration: 11.8517 ug/L



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX2

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 70212A08

Level: (TRACE/LOW/MED) LOW

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorodifluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	120	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	2.7	J
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	20	
156-59-2	cis-1,2-Dichloroethene	140	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	1.2	J
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	3.3	J
123-91-1	1,4-Dioxane	41	J

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX2

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NB02045-011

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 70212A08

Level: (TRACE/LOW/MED) LOW Date Received: 02/02/2012

% Moisture: not dec. Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
79-01-6	Trichloroethene	57		
108-87-2	Methylcyclohexane	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	0.79	J	
127-18-4	Tetrachloroethene	42		
591-78-6	2-Hexanone	10	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethylbenzene	5.0	U	
95-47-6	o-Xylene	5.0	U	
179601-23-1	m,p-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
75-25-2	Bromoform	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	
87-61-6	1,2,3-Trichlorobenzene	5.0	U	

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AX2

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 70212A08

Level: (TRACE or LOW/MED) LOW

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A08.D
Lab Smp Id: NB02045-011 Client Smp ID: F5AX2
Inj Date : 12-FEB-2012 06:02
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, NB02045-011
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl Chloride-d3	65		1.998	1.998 (0.312)		819186	51.5830	51.5829
4 Vinyl Chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		2.377	2.377 (0.372)		978681	57.7121	57.7120
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		3.148	3.148 (0.492)		2404480	67.8017	67.8016 (R)
10 1,1,2-Trichloro-1,2,2-trifluo	101							
11 1,1-Dichloroethene	96		3.160	3.160 (0.494)		1960355	115.254	115.2536
12 Acetone	43							
13 Carbon Disulfide	76							
14 Methyl Acetate	43							
15 Methylene Chloride	84							
16 Methyl tert-Butyl Ether	73							
17 trans-1,2-Dichloroethene	96		3.930	3.930 (0.614)		51029	2.69971	2.6997 (a)
18 1,1-Dichloroethane	63		4.369	4.369 (0.683)		613147	19.7730	19.7730
\$ 19 2-Butanone-d5	46		4.915	4.915 (0.768)		924979	69.6029	69.6028
20 cis-1,2-Dichloroethene	96		4.986	4.986 (0.779)		2864581	139.029	139.0293 (Q)
21 2-Butanone	43							
22 Bromochloromethane	128							
\$ 23 Chloroform-d	84		5.306	5.306 (0.829)		1782377	49.6246	49.6246
24 Chloroform	83		5.330	5.330 (0.833)		36078	1.15268	1.1526 (aQ)
25 1,1,1-Trichloroethane	97							

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
26 Cyclohexane	56					Compound Not Detected.		
27 Carbon Tetrachloride	117					Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.920)		1130792	48.9214	48.9214	
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)		4183780	51.2196	51.2195	
30 Benzene	78					Compound Not Detected.		
31 1,2-Dichloroethane	62	5.982	5.970 (0.935)		83102	3.28206	3.2820 (a)	
* 32 1,4-Difluorobenzene	114	6.397	6.397 (1.000)		3613868	50.0000		
33 Trichloroethene	95	6.705	6.705 (0.660)		1086216	56.7749	56.7749	
\$ 34 1,2-Dichloropropane-d6	67	6.860	6.859 (0.675)		1206767	51.2307	51.2306	
35 Methylcyclohexane	83					Compound Not Detected.		
36 1,2-Dichloropropane	63					Compound Not Detected.		
37 Bromodichloromethane	83					Compound Not Detected.		
38 1,4-Dioxane	88	7.120	7.120 (1.113)		20000	41.4116	41.4115 (a)	
\$ 39 1,4-Dioxane-d8	96	7.061	7.061 (1.104)		198859	460.514	460.5135 (R)	
\$ 40 trans-1,3-Dichloropropene-d4	79	7.796	7.796 (0.768)		2106648	45.1829	45.1829	
41 cis-1,3-Dichloropropene	75					Compound Not Detected.		
42 4-Methyl-2-pentanone	43					Compound Not Detected.		
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)		3938106	50.3793	50.3793	
44 Toluene	91					Compound Not Detected.		
45 trans-1,3-Dichloropropene	75					Compound Not Detected.		
46 1,1,2-Trichloroethane	97	8.840	8.840 (0.870)		14102	0.78503	0.7850 (a)	
47 Tetrachloroethene	164	9.065	9.077 (0.893)		717186	42.4084	42.4083	
\$ 48 2-Hexanone-d5	63	9.148	9.148 (0.901)		856593	63.3626	63.3626 (Q)	
49 2-Hexanone	43					Compound Not Detected.		
50 Dibromochloromethane	129					Compound Not Detected.		
51 1,2-Dibromoethane	107					Compound Not Detected.		
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)		3254566	50.0000		
53 Chlorobenzene	112					Compound Not Detected.		
54 Ethylbenzene	91					Compound Not Detected.		
55 m+p-Xylenes	106					Compound Not Detected.		
56 o-Xylene	106					Compound Not Detected.		
57 Styrene	104					Compound Not Detected.		
58 Bromoform	173					Compound Not Detected.		
59 Isopropylbenzene	105					Compound Not Detected.		
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)		1269466	41.7217	41.7217	
61 1,1,2,2-Tetrachloroethane	83					Compound Not Detected.		
62 1,3-Dichlorobenzene	146					Compound Not Detected.		
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)		1779539	50.0000		
64 1,4-Dichlorobenzene	146					Compound Not Detected.		
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)		1591623	50.0716	50.0716	
66 1,2-Dichlorobenzene	146					Compound Not Detected.		
67 1,2-Dibromo-3-chloropropane	75					Compound Not Detected.		
68 1,2,4-Trichlorobenzene	180					Compound Not Detected.		
69 1,2,3-Trichlorobenzene	180					Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A08.D
Lab Smp Id: NB02045-011 Client Smp ID: F5AX2
Inj Date : 12-FEB-2012 06:02
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, NB02045-011
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

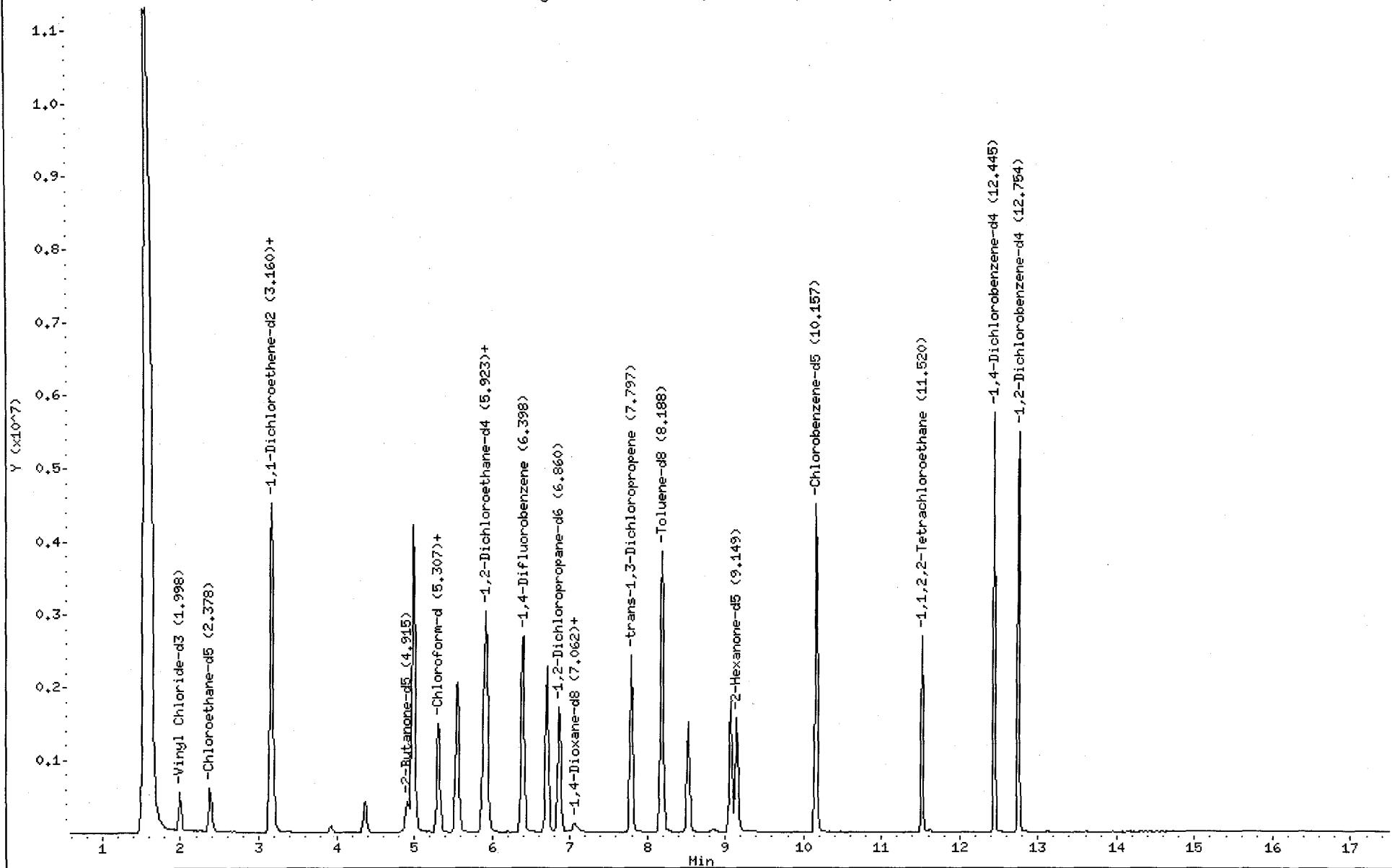
Data File: \\Organics\DD\chem\msd7.i\7feb1212.b\70212A08.D
Date : 12-FEB-2012 06:02
Client ID: F5AX2
Sample Info: 7feb1212.b, NB02045-011
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

Page 4

306 of 502

\\Organics\DD\chem\msd7.i\7feb1212.b\70212A08.D



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

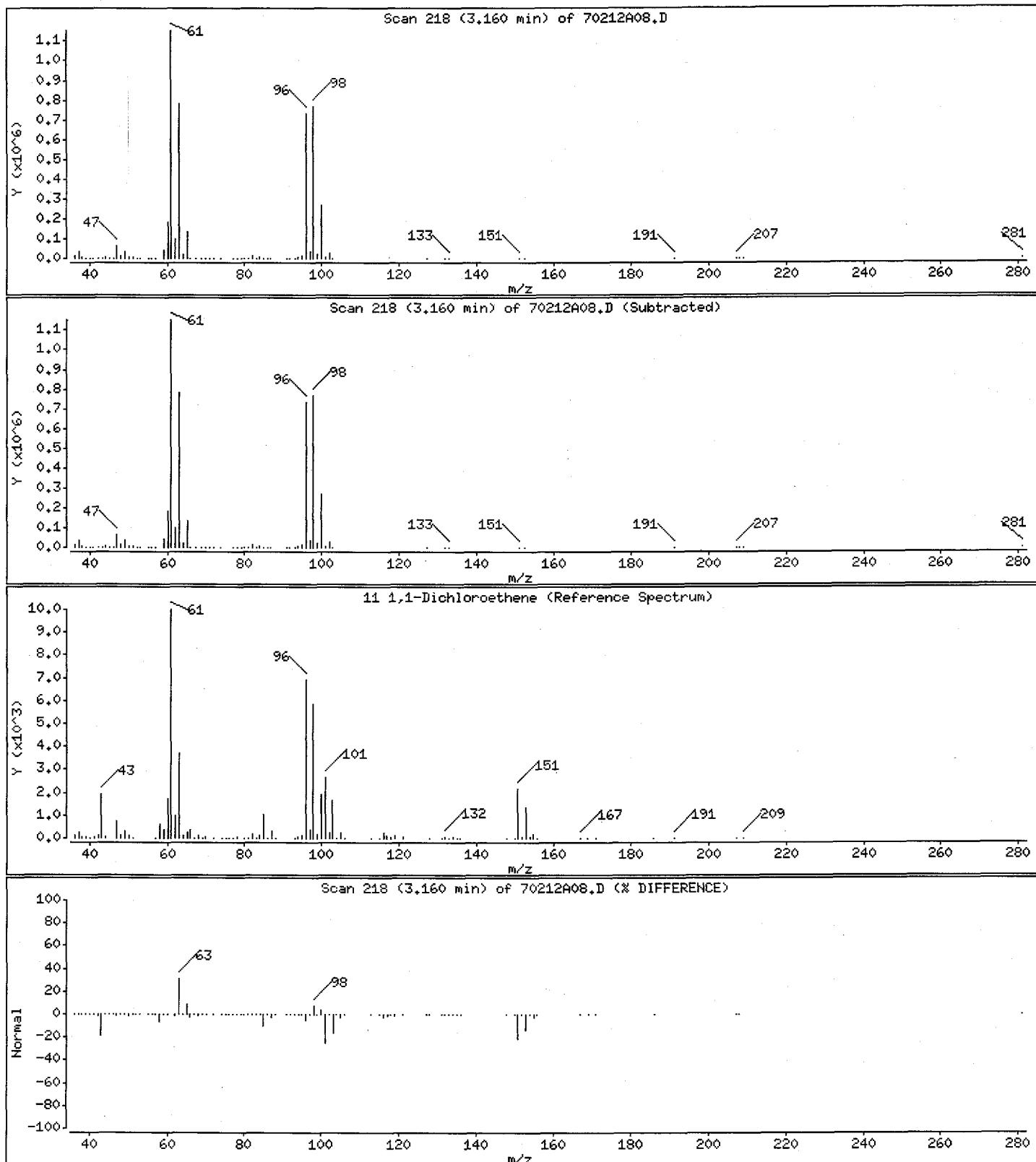
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

11 1,1-Dichloroethene

Concentration: 115.2536 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

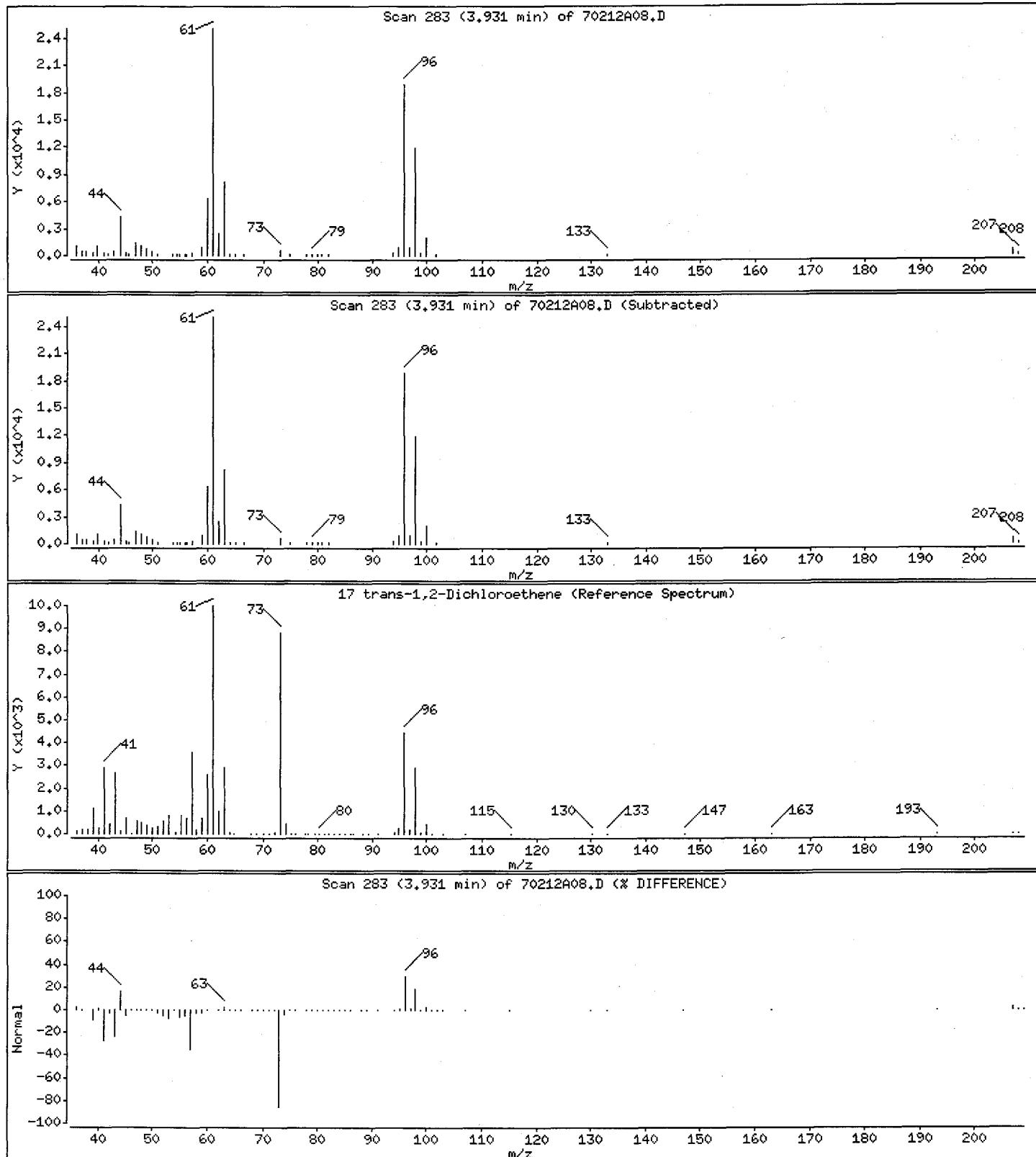
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

17 trans-1,2-Dichloroethene

Concentration: 2.6997 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

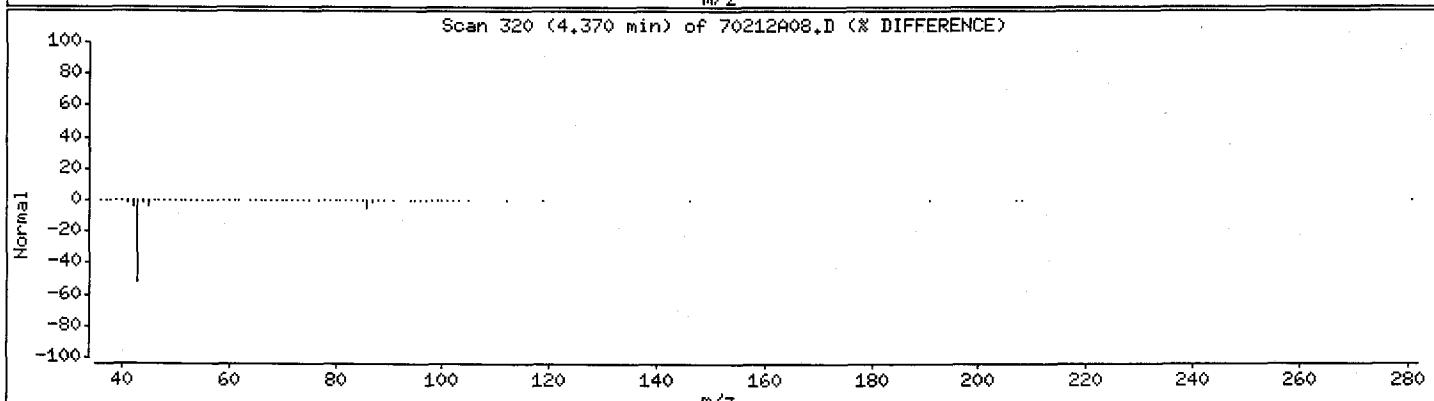
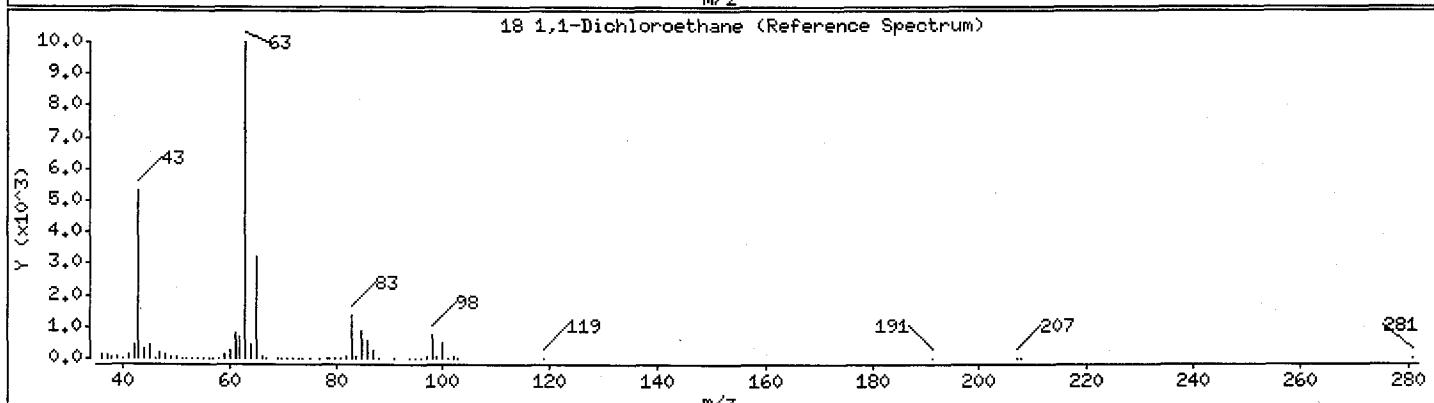
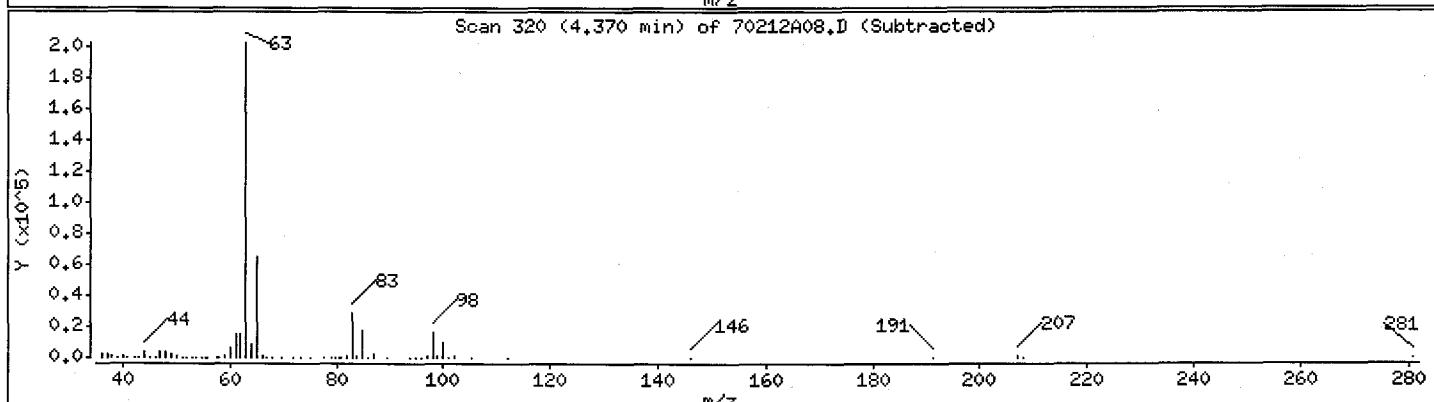
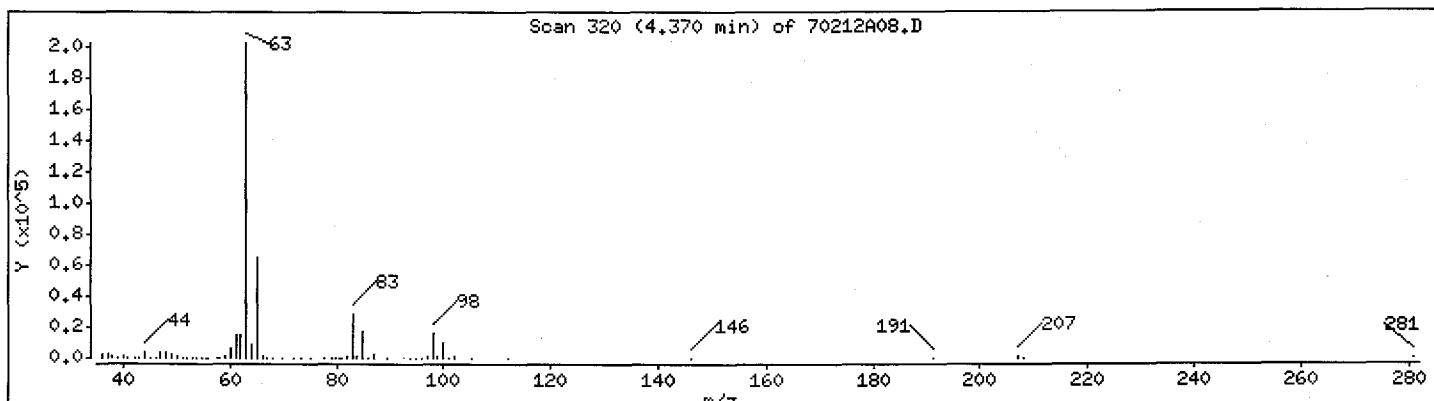
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

18 1,1-Dichloroethane

Concentration: 19.7730 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

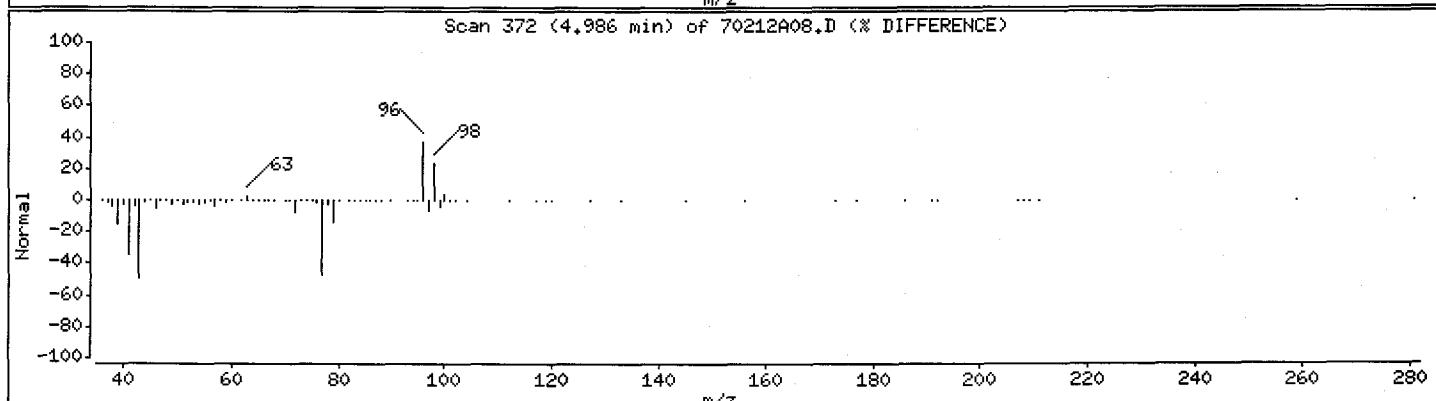
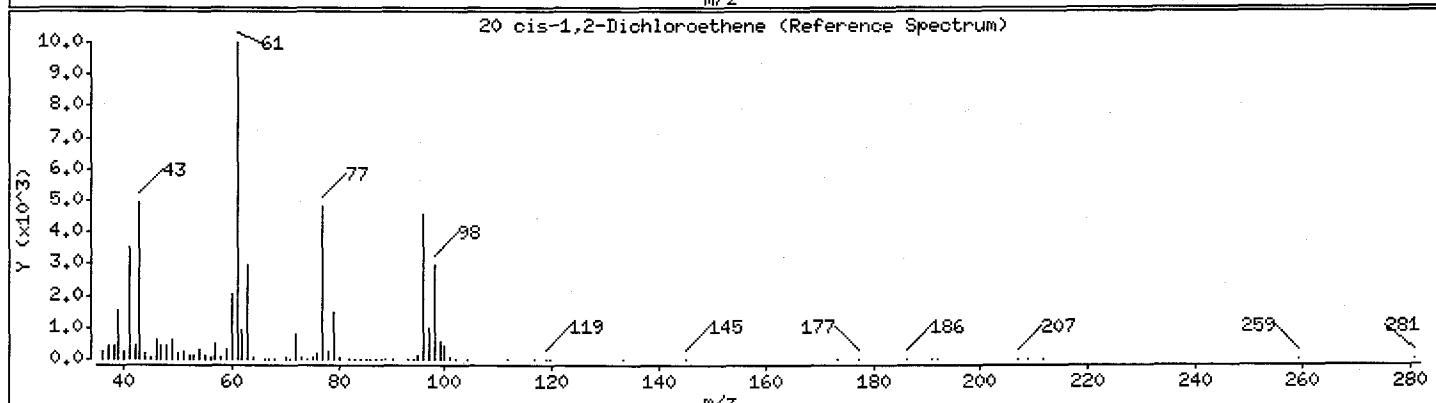
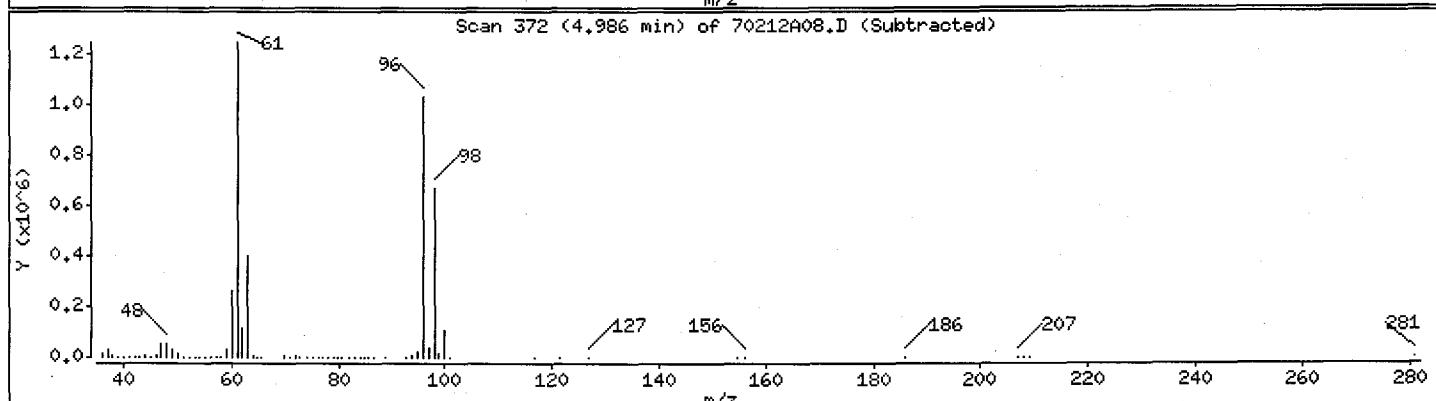
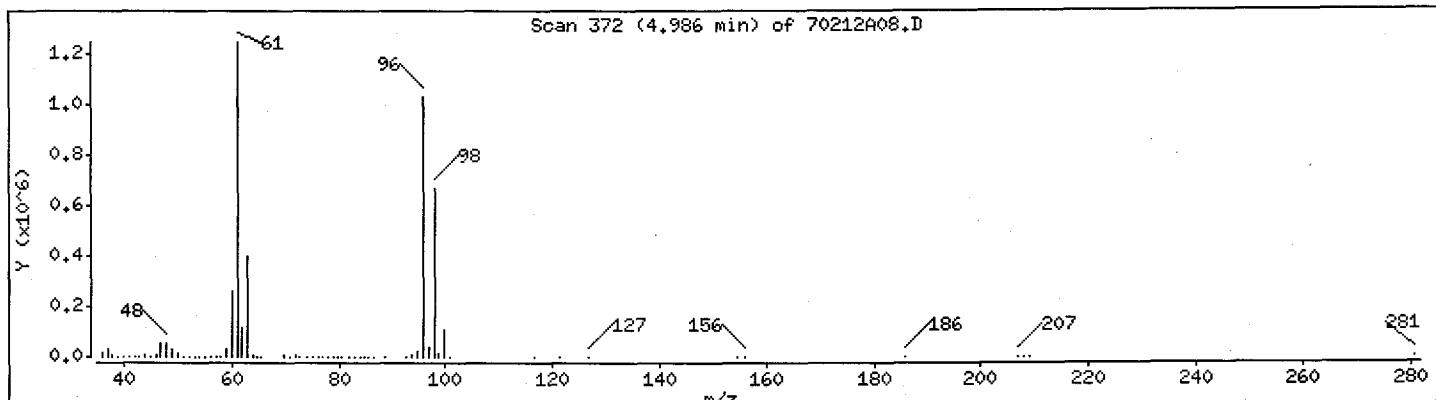
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

20 cis-1,2-Dichloroethene

Concentration: 139.0293 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

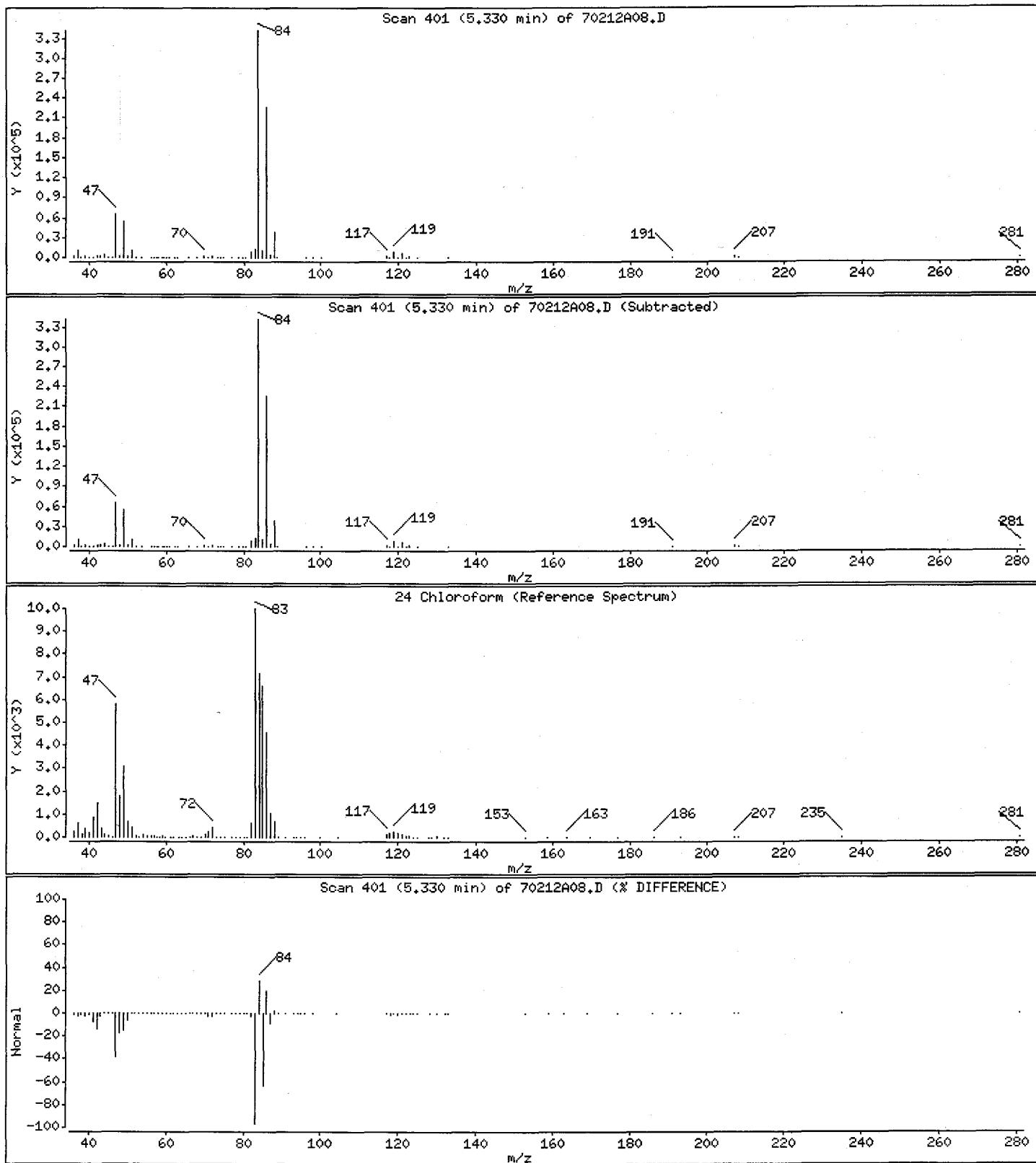
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

24 Chloroform

Concentration: 1.1526 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

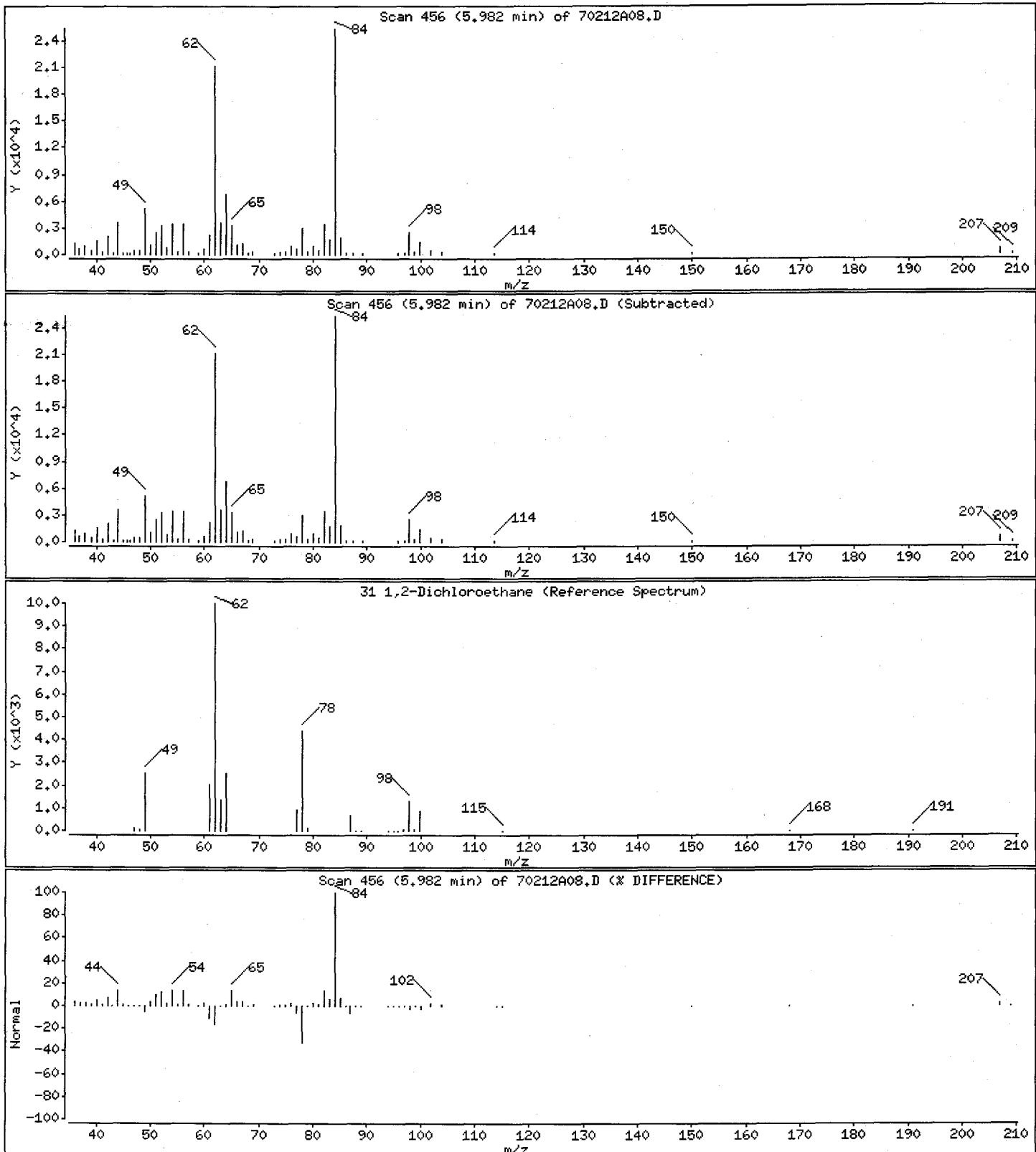
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

31 1,2-Dichloroethane

Concentration: 3,2820 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

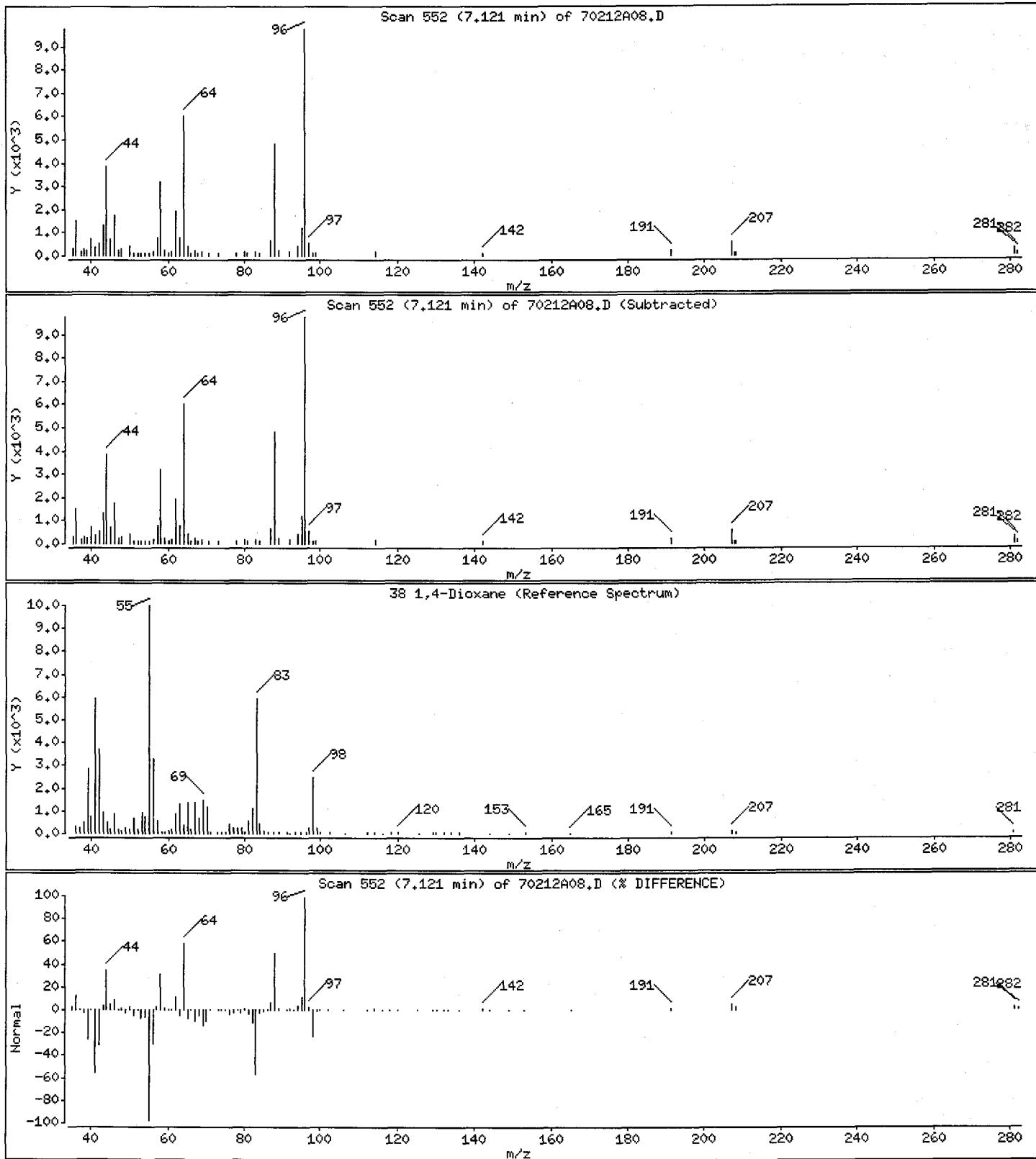
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

38 1,4-Dioxane

Concentration: 41.4115 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

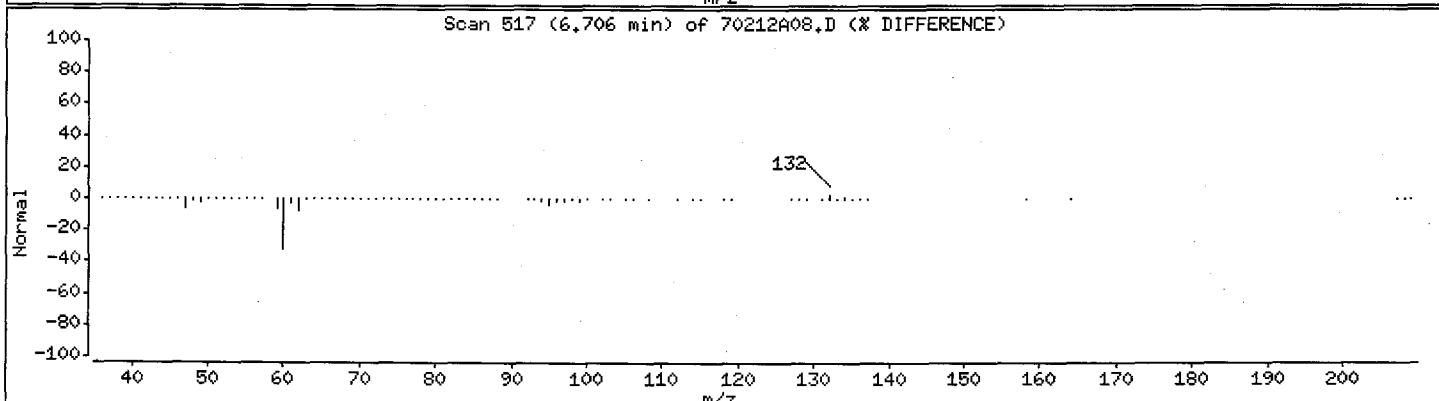
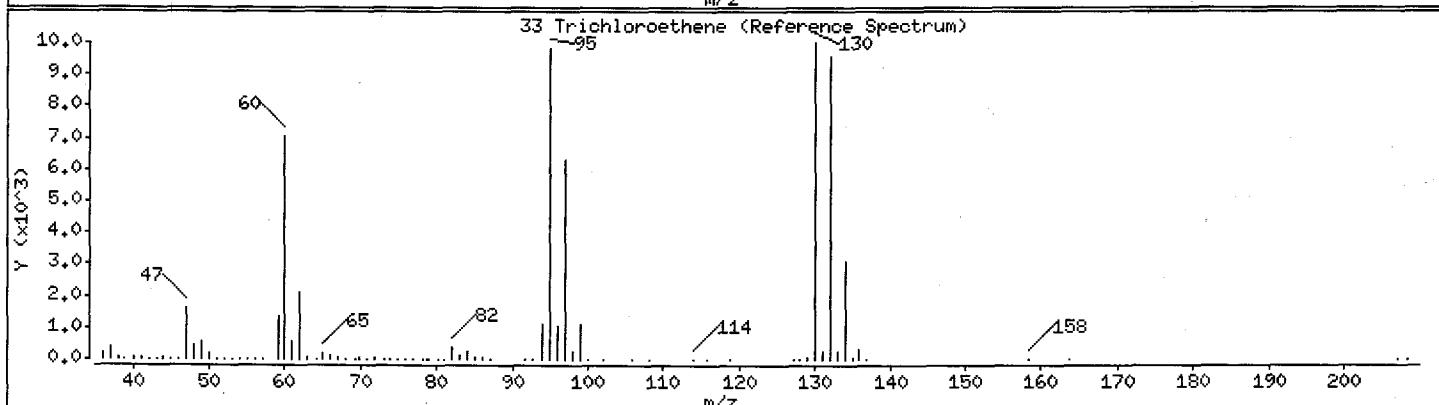
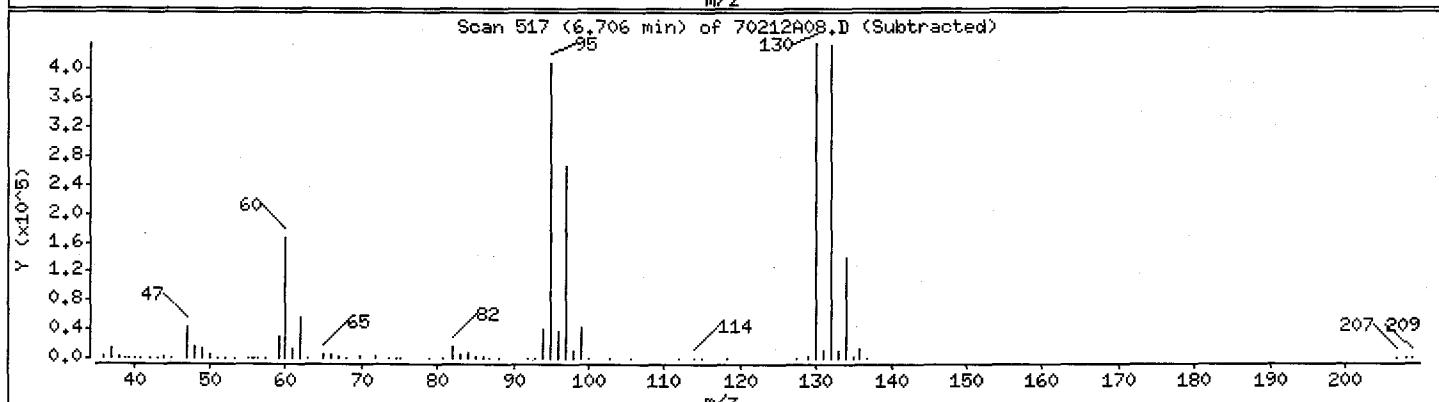
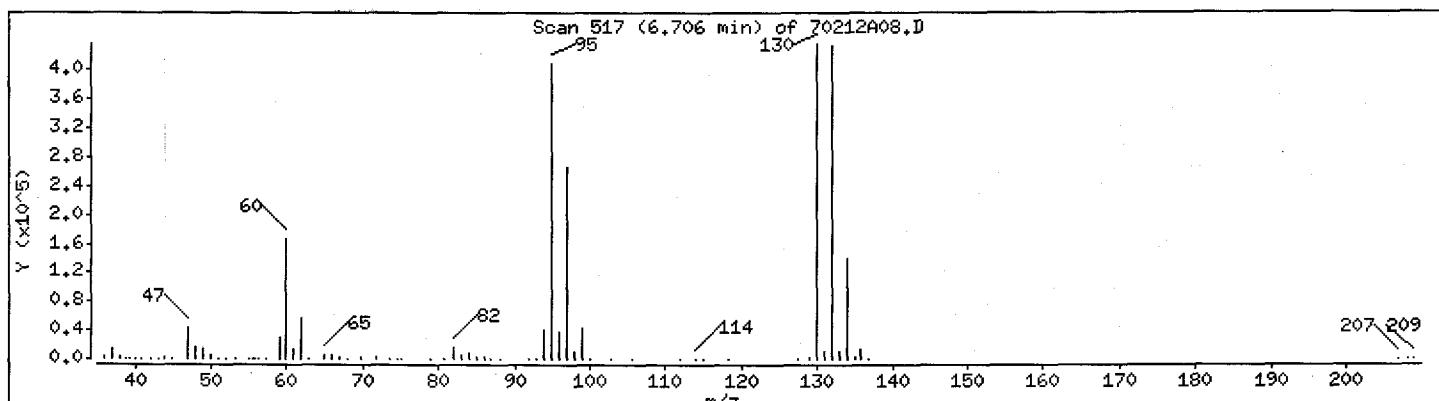
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

33 Trichloroethene

Concentration: 56.7749 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

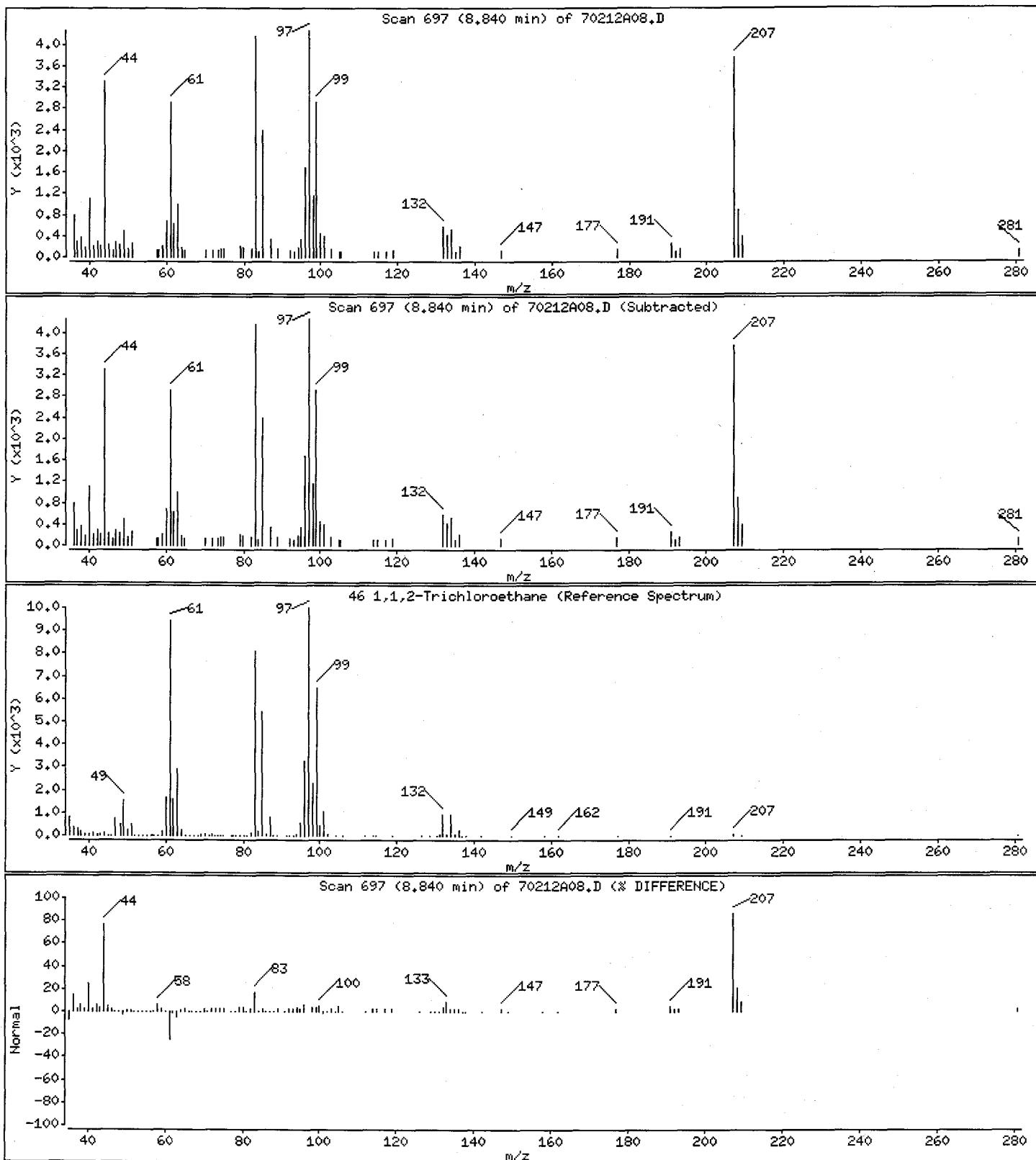
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

46 1,1,2-Trichloroethane

Concentration: 0.7850 ug/L



Date : 12-FEB-2012 06:02

Client ID: F5AX2

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-011

Purge Volume: 5.0

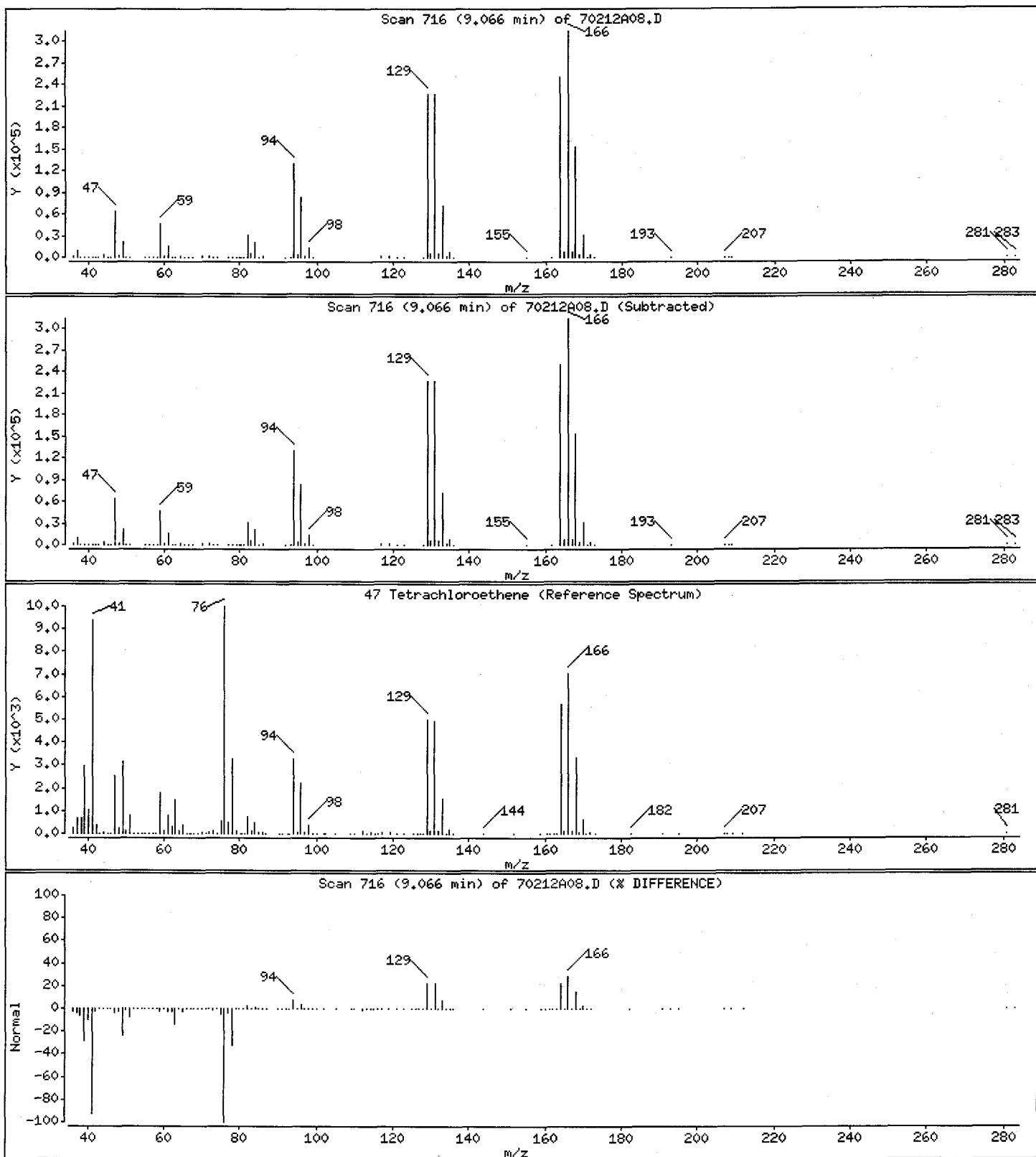
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

47 Tetrachloroethene

Concentration: 42.4083 ug/L



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX6

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 70212A09

Level: (TRACE/LOW/MED) LOW

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	23	J

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F5AX6

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 70212A09

Level: (TRACE/LOW/MED) LOW

Date Received: 02/02/2012

% Moisture: not dec.

Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1, 2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1, 3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1, 3-Dichloropropene	5.0	U
79-00-5	1, 1, 2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1, 2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m, p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1, 1, 2, 2-Tetrachloroethane	5.0	U
541-73-1	1, 3-Dichlorobenzene	5.0	U
106-46-7	1, 4-Dichlorobenzene	5.0	U
95-50-1	1, 2-Dichlorobenzene	5.0	U
96-12-8	1, 2-Dibromo-3-chloropropane	5.0	U
120-82-1	1, 2, 4-Trichlorobenzene	5.0	U
87-61-6	1, 2, 3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F5AX6

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NB02045-012

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 70212A09

Level: (TRACE or LOW/MED) LOW Date Received: 02/02/2012

% Moisture: not dec. Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A09.D
Lab Smp Id: NB02045-012 Client Smp ID: F5AX6
Inj Date : 12-FEB-2012 06:23
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, NB02045-012
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
1 Dichlorodifluoromethane	85						Compound Not Detected.
2 Chloromethane	50						Compound Not Detected.
\$ 3 Vinyl Chloride-d3	65		1.986	1.998 (0.311)		800545	49.9134 49.9134
4 Vinyl Chloride	62						Compound Not Detected.
5 Bromomethane	94						Compound Not Detected.
\$ 6 Chloroethane-d5	69		2.365	2.377 (0.370)		956354	55.8409 55.8408
7 Chloroethane	64						Compound Not Detected.
8 Trichlorofluoromethane	101						Compound Not Detected.
\$ 9 1,1-Dichloroethene-d2	63		3.136	3.148 (0.491)		1417982	39.5911 39.5911
10 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.
11 1,1-Dichloroethene	96						Compound Not Detected.
12 Acetone	43						Compound Not Detected.
13 Carbon Disulfide	76						Compound Not Detected.
14 Methyl Acetate	43						Compound Not Detected.
15 Methylene Chloride	84						Compound Not Detected.
16 Methyl tert-Butyl Ether	73						Compound Not Detected.
17 trans-1,2-Dichloroethene	96						Compound Not Detected.
18 1,1-Dichloroethane	63						Compound Not Detected.
\$ 19 2-Butanone-d5	46		4.903	4.915 (0.768)		860550	64.1179 64.1178
20 cis-1,2-Dichloroethene	96						Compound Not Detected.
21 2-Butanone	43						Compound Not Detected.
22 Bromochloromethane	128						Compound Not Detected.
\$ 23 Chloroform-d	84		5.306	5.306 (0.831)		1737425	47.8974 47.8973
24 Chloroform	83						Compound Not Detected.

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	
			====	=====	=====	=====	=====
25 1,1,1-Trichloroethane		97				Compound Not Detected.	
26 Cyclohexane		56				Compound Not Detected.	
27 Carbon Tetrachloride		117				Compound Not Detected.	
\$ 28 1,2-Dichloroethane-d4		65	5.887	5.887 (0.922)		1096867	46.9870 46.9870
\$ 29 Benzene-d6		84	5.923	5.923 (0.583)		4057874	48.7869 48.7868
30 Benzene		78				Compound Not Detected.	
31 1,2-Dichloroethane		62				Compound Not Detected.	
* 32 1,4-Difluorobenzene		114	6.385	6.397 (1.000)		3649761	50.0000
33 Trichloroethene		95				Compound Not Detected.	
\$ 34 1,2-Dichloropropane-d6		67	6.859	6.859 (0.675)		1169172	48.7442 48.7441
35 Methylcyclohexane		83				Compound Not Detected.	
36 1,2-Dichloropropane		63				Compound Not Detected.	
37 Bromodichloromethane		83				Compound Not Detected.	
38 1,4-Dioxane		88	7.120	7.120 (1.115)		11041	22.6364 22.6364(a)
\$ 39 1,4-Dioxane-d8		96	7.061	7.061 (1.106)		185771	425.9738 (R)
\$ 40 trans-1,3-Dichloropropene-d4		79	7.784	7.796 (0.766)		2046847	43.1127 43.1127
41 cis-1,3-Dichloropropene		75				Compound Not Detected.	
42 4-Methyl-2-pentanone		43				Compound Not Detected.	
\$ 43 Toluene-d8		98	8.188	8.188 (0.806)		3759504	47.2316 47.2316
44 Toluene		91				Compound Not Detected.	
45 trans-1,3-Dichloropropene		75				Compound Not Detected.	
46 1,1,2-Trichloroethane		97				Compound Not Detected.	
47 Tetrachloroethene		164				Compound Not Detected.	
\$ 48 2-Hexanone-d5		63	9.148	9.148 (0.901)		786112	57.1059 57.1058 (Q)
49 2-Hexanone		43				Compound Not Detected.	
50 Dibromochloromethane		129				Compound Not Detected.	
51 1,2-Dibromoethane		107				Compound Not Detected.	
* 52 Chlorobenzene-d5		117	10.156	10.156 (1.000)		3314022	50.0000
53 Chlorobenzene		112				Compound Not Detected.	
54 Ethylbenzene		91				Compound Not Detected.	
55 m,p-Xylenes		106				Compound Not Detected.	
56 o-Xylene		106				Compound Not Detected.	
57 Styrene		104				Compound Not Detected.	
58 Bromoform		173				Compound Not Detected.	
59 Isopropylbenzene		105				Compound Not Detected.	
\$ 60 1,1,2,2-Tetrachloroethane-d2		84	11.520	11.520 (1.134)		1190617	38.4283 38.4282
61 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
62 1,3-Dichlorobenzene		146				Compound Not Detected.	
* 63 1,4-Dichlorobenzene-d4		152	12.445	12.445 (1.000)		1817800	50.0000
64 1,4-Dichlorobenzene		146				Compound Not Detected.	
\$ 65 1,2-Dichlorobenzene-d4		152	12.753	12.753 (1.025)		1516174	46.6941 46.6941
66 1,2-Dichlorobenzene		146				Compound Not Detected.	
67 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.	
68 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
69 1,2,3-Trichlorobenzene		180				Compound Not Detected.	

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation (BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A09.D
Lab Smp Id: NB02045-012 Client Smp ID: F5AX6
Inj Date : 12-FEB-2012 06:23
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, NB02045-012
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\\DD\\chem\\msd7.i\\7feb1212.b\\70212A09.D

Page 4

Date : 12-FEB-2012 06:23

Client ID: F5AX6

Instrument: msd7.i

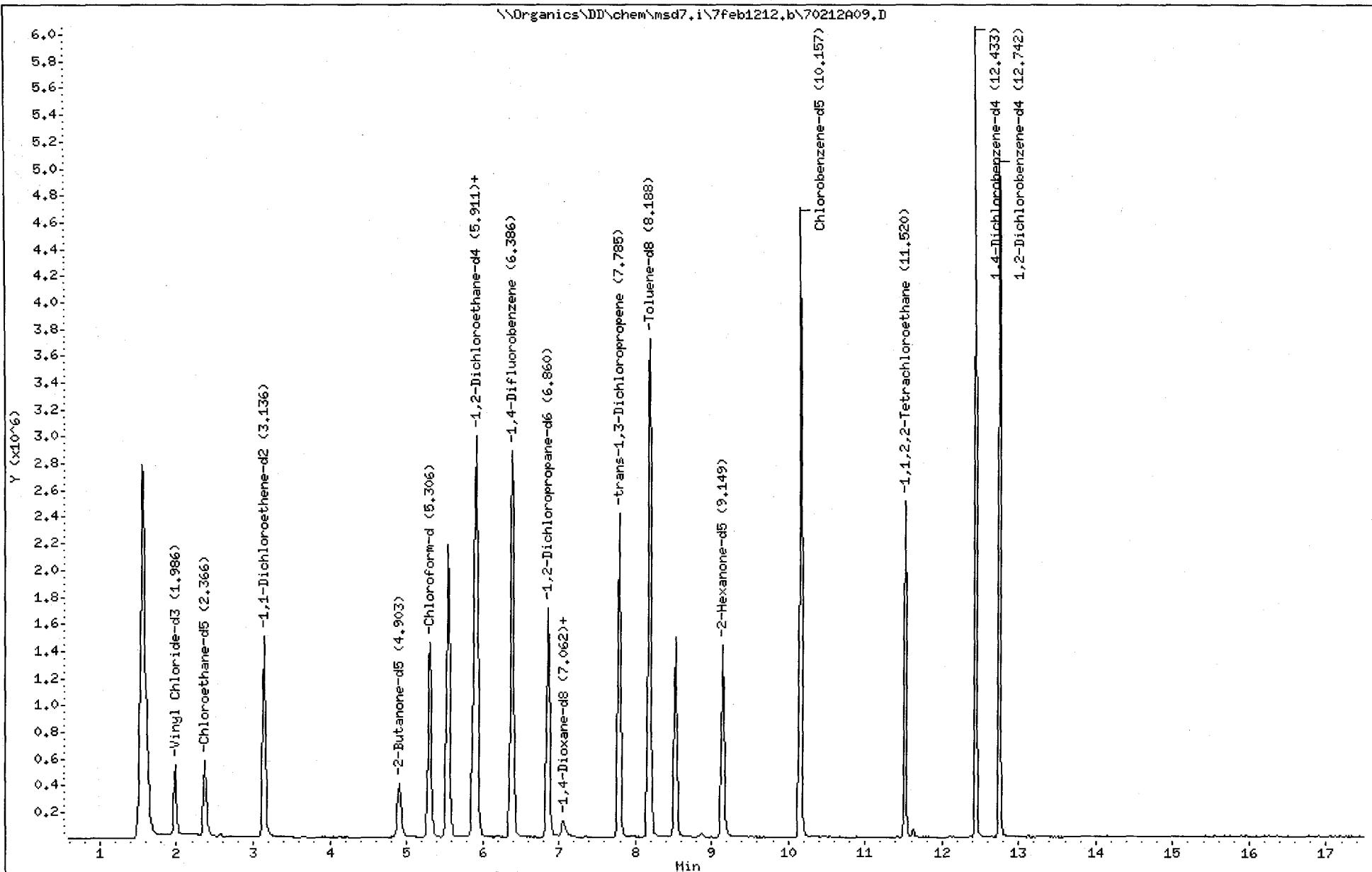
Sample Info: 7feb1212.b, NB02045-012

Operator: LBS

Purge Volume: 5.0

Column diameter: 0.25

Column phase: DB-624



Date : 12-FEB-2012 06:23

Client ID: F5AX6

Instrument: msd7.i

Sample Info: 7feb1212.b, NB02045-012

Purge Volume: 5.0

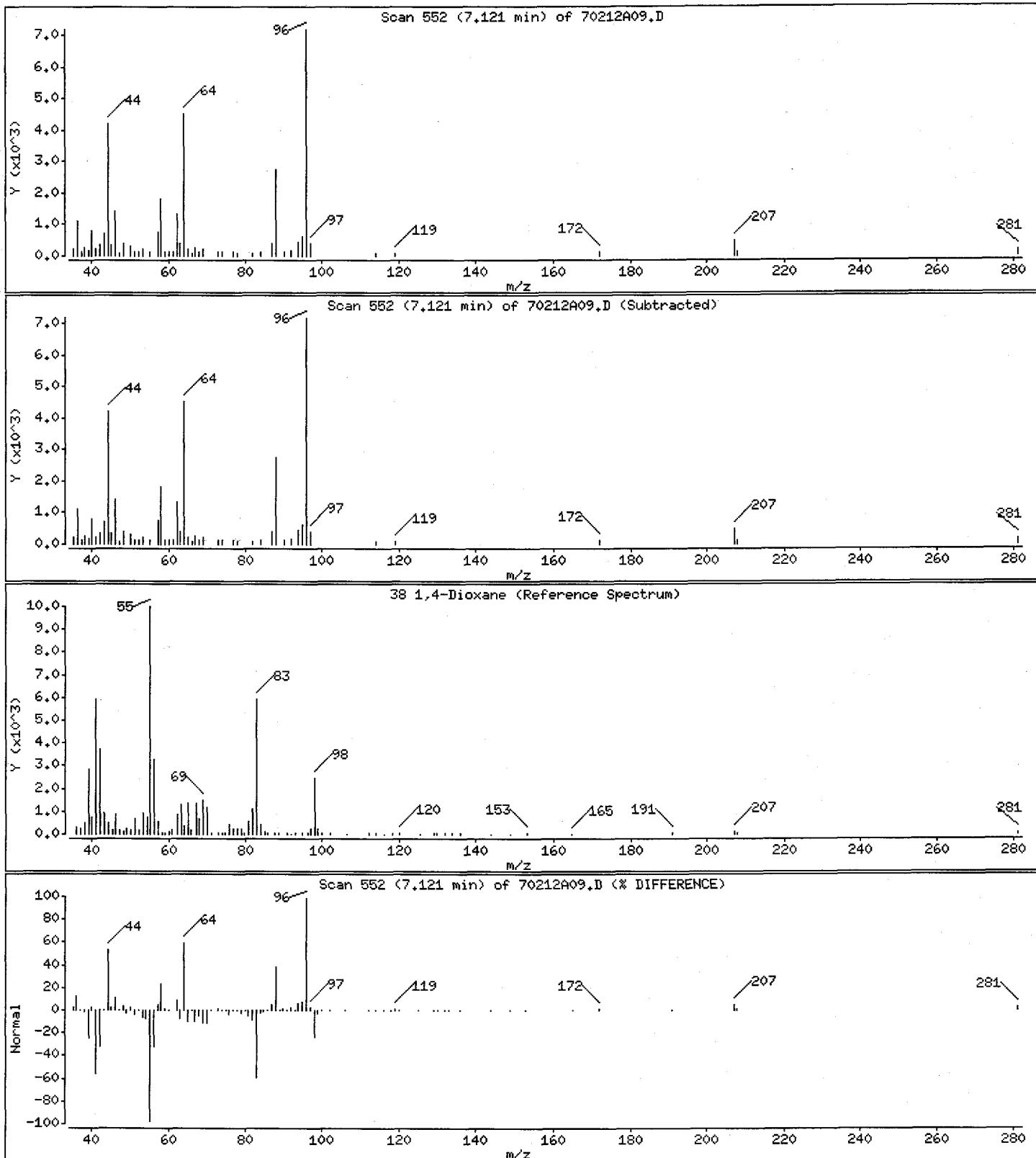
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

38 1,4-Dioxane

Concentration: 22,6364 ug/L



3. Volatiles Standards Data

- a. Initial Calibration Data
(Form VI VOA-1, VOA-2, VOA-3)**

- b. Continuing Calibration Verification Data
(Form VII VOA-1, VOA-2, VOA-3)**

a. Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)

Arrange in chronological order, by instrument.

- (1) Quantitation reports for the initial (five-point) calibration.
Spectra not required.
- (2) Reconstructed Ion Chromatograms.
- (3) EICPs displaying each manual integration.

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7

Calibration Date(s): 02/11/2012 02/11/2012

Heated Purge: (Y/N) N

Calibration Time(s): 1717 1843

Purge Volume: 1.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

COMPOUND	RRF 5.0	RRF 10	RRF 50	RRF 100	RRF 200	RRF	%RSD
	RRF 5.0 = 70211B06	RRF 10 = 70211B05	RRF 50 = 70211B04	RRF 100 = 70211B03	RRF 200 = 70211B02		
Dichlorodifluoromethane	0.2950	0.2816	0.2684	0.2710	0.2799	0.2792	3.8
Chloromethane	0.2324	0.2202	0.1986	0.2017	0.2096	0.2125	6.6
Vinyl chloride	0.2435	0.2364	0.2159	0.2140	0.2221	0.2264	5.7
Bromomethane	0.2390	0.2181	0.1824	0.1451	0.1400	0.1849	23.6
Chloroethane	0.2154	0.2022	0.1791	0.1619	0.1661	0.1849	12.5
Trichlorodifluoromethane	0.4522	0.4272	0.4028	0.3992	0.4181	0.4199	5.1
1,1-Dichloroethene	0.2555	0.2410	0.2245	0.2253	0.2303	0.2353	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2662	0.2554	0.2438	0.2384	0.2476	0.2503	4.3
Acetone	0.1354	0.1295	0.1160	0.1185	0.1309	0.1261	6.6
Carbon Disulfide	0.7093	0.6952	0.6812	0.6855	0.7110	0.6965	1.9
Methyl acetate	0.2838	0.2743	0.2449	0.2420	0.2635	0.2617	6.9
Methylene chloride	0.2851	0.2785	0.2521	0.2518	0.2604	0.2656	5.8
trans-1,2-Dichloroethene	0.2823	0.2674	0.2498	0.2489	0.2592	0.2615	5.3
Methyl tert-butyl ether	0.8516	0.8221	0.7548	0.7448	0.7715	0.7890	5.8
1,1-Dichloroethane	0.4544	0.4477	0.4124	0.4057	0.4250	0.4290	5.0
cis-1,2-Dichloroethene	0.3027	0.2961	0.2723	0.2726	0.2817	0.2851	4.8
2-Butanone	0.1593	0.1402	0.1476	0.1591	0.1777	0.1568	9.1
Bromochloromethane	0.1458	0.1418	0.1321	0.1336	0.1395	0.1386	4.1
Chloroform	0.4676	0.4491	0.4122	0.4113	0.4251	0.4330	5.7
1,1,1-Trichloroethane	0.4250	0.4159	0.4020	0.4042	0.4177	0.4130	2.3
Cyclohexane	0.5326	0.5081	0.4883	0.4694	0.4864	0.4970	4.9
Carbon tetrachloride	0.3492	0.3386	0.3467	0.3490	0.3693	0.3506	3.2
Benzene	1.2927	1.2180	1.1240	1.1078	1.1241	1.1733	6.8
1,2-Dichloroethane	0.3917	0.3630	0.3324	0.3279	0.3366	0.3503	7.7
1,4-Dioxane	0.0067	0.0132	0.0054	0.0052	0.0029	0.0067	58.4
Trichloroethene	0.3148	0.2972	0.2824	0.2822	0.2930	0.2939	4.6
Methylcyclohexane	0.5684	0.5207	0.5161	0.5018	0.5217	0.5258	4.8

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7 Calibration Date(s): 02/11/2012 02/11/2012

Heated Purge: (Y/N) N Calibration Time(s): 1717 1843

Purge Volume: 1.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

COMPOUND	RRF 5.0	RRF 10	RRF 50	RRF 100	RRF 200	RRF	%RSD
	RRF 5.0 = 70211B06	RRF 10 = 70211B05	RRF 50 = 70211B04	RRF 100 = 70211B03	RRF 200 = 70211B02		
1,2-Dichloropropane	0.2996	0.2873	0.2665	0.2670	0.2787	0.2798	5.0
Bromodichloromethane	0.3072	0.3185	0.3248	0.3364	0.3590	0.3292	6.0
cis-1,3-Dichloropropene	0.4706	0.4718	0.4691	0.4780	0.5046	0.4788	3.1
4-Methyl-2-pentanone	0.8407	0.8219	0.7718	0.7562	0.8008	0.7983	4.4
Toluene	1.3696	1.2934	1.2117	1.2008	1.2387	1.2628	5.5
trans-1,3-Dichloropropene	0.4170	0.4259	0.4359	0.4430	0.4749	0.4393	5.0
1,1,2-Trichloroethane	0.2907	0.2789	0.2645	0.2654	0.2804	0.2760	4.0
Tetrachloroethene	0.2797	0.2585	0.2515	0.2470	0.2624	0.2598	4.9
2-Hexanone	0.3142	0.3061	0.2833	0.2811	0.3025	0.2974	4.9
Dibromochloromethane	0.2140	0.2247	0.2534	0.2680	0.2969	0.2514	13.3
1,2-Dibromoethane	0.3039	0.3016	0.2903	0.2915	0.3126	0.3000	3.1
Chlorobenzene	0.9266	0.8739	0.8150	0.8141	0.8408	0.8541	5.5
Ethylbenzene	1.5235	1.4605	1.3762	1.3552	1.2631	1.3957	7.2
o-Xylene	0.5970	0.5679	0.5423	0.5337	0.5470	0.5576	4.6
m,p-Xylene	0.6073	0.5857	0.5558	0.5507	0.5743	0.5748	4.0
Styrene	0.9391	0.9235	0.9229	0.9184	0.9288	0.9265	0.9
Bromoform	0.2350	0.2556	0.3204	0.3578	0.3963	0.3130	21.7
Isopropylbenzene	1.5523	1.4773	1.4024	1.3691	1.1677	1.3938	10.4
1,1,2,2-Tetrachloroethane	0.4408	0.4383	0.4106	0.4024	0.4297	0.4244	4.0
1,3-Dichlorobenzene	1.4019	1.3134	1.2493	1.2435	1.2411	1.2898	5.4
1,4-Dichlorobenzene	1.5048	1.3930	1.2939	1.2777	1.2947	1.3528	7.1
1,2-Dichlorobenzene	1.4069	1.3083	1.2111	1.2039	1.1823	1.2625	7.5
1,2-Dibromo-3-chloropropane	0.1442	0.1384	0.1469	0.1560	0.1677	0.1507	7.6
1,2,4-Trichlorobenzene	0.9725	0.9226	0.8900	0.8861	0.8829	0.9108	4.2
1,2,3-Trichlorobenzene	0.9818	0.9057	0.8704	0.8650	0.8067	0.8859	7.3

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7

Calibration Date(s): 02/11/2012 02/11/2012

Heated Purge: (Y/N) N

Calibration Time(s): 1717 1843

Purge Volume: 1.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

COMPOUND	RRF 5.0	RRF 10	RRF 50	RRF 100	RRF 200	RRF	%RSD
	RRF 5.0 = 70211B06	RRF 10 = 70211B05	RRF 50 = 70211B04	RRF 100 = 70211B03	RRF 200 = 70211B02		
Vinyl Chloride-d3	0.2387	0.2369	0.2047	0.2048	0.2135	0.2197	7.7
Chloroethane-d5	0.2865	0.2682	0.2223	0.1962	0.1999	0.2346	17.4
1,1-Dichloroethene-d2	0.5441	0.5201	0.4619	0.4561	0.4712	0.4907	8.0
2-Butanone-d5	0.1948	0.1842	0.1661	0.1828	0.1914	0.1839	6.0
Chloroform-d	0.5441	0.5319	0.4624	0.4647	0.4815	0.4969	7.7
1,2-Dichloroethane-d4	0.3646	0.3589	0.2902	0.2863	0.2989	0.3198	12.1
Benzene-d6	1.3997	1.3453	1.1751	1.1656	1.1888	1.2549	8.7
1,2-Dichloropropane-d6	0.3882	0.3816	0.3401	0.3416	0.3579	0.3619	6.2
Toluene-d8	1.3303	1.2656	1.1284	1.1199	1.1605	1.2009	7.7
trans-1,3-Dichloropropene-d4	0.7154	0.7246	0.6904	0.7068	0.7443	0.7163	2.8
2-Hexanone-d5	0.2095	0.2107	0.1955	0.2036	0.2192	0.2077	4.2
1,4-Dioxane-d8	0.0066	0.0119	0.0047	0.0044	0.0023	0.0060	60.7
1,1,2,2-Tetrachloroethane-d2	0.4925	0.4817	0.4505	0.4412	0.4714	0.4675	4.6
1,2-Dichlorobenzene-d4	1.0296	0.9473	0.8419	0.8272	0.8197	0.8931	10.3

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B06.D
Lab Smp Id: VSTD005MT Client Smp ID: VSTD005MT
Inj Date : 11-FEB-2012 18:43
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1112B.b, VSTD005MT
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1112B.b\CLPLMW-7.m
Meth Date : 21-Feb-2012 12:54 lbs Quant Type: ISTD
Cal Date : 11-FEB-2012 17:17 Cal File: 70211B02.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.760	1.760 (0.275)		114082	5.00000	5.2843
2 Chloromethane	50	1.879	1.879 (0.294)		89875	5.00000	5.4690
\$ 3 Vinyl Chloride-d3	65	1.986	1.986 (0.310)		92284	5.00000	5.4312
4 Vinyl Chloride	62	1.998	1.998 (0.312)		94156	5.00000	5.3779
5 Bromomethane	94	2.306	2.306 (0.361)		92401	5.00000	6.4620
\$ 6 Chloroethane-d5	69	2.377	2.377 (0.372)		110791	5.00000	6.1062
7 Chloroethane	64	2.401	2.401 (0.375)		83280	5.00000	5.8232
8 Trichlorofluoromethane	101	2.685	2.685 (0.420)		174847	5.00000	5.3844
\$ 9 1,1-Dichloroethene-d2	63	3.160	3.160 (0.494)		210378	5.00000	5.5445
10 1,1,2-Trichloro-1,2,2-trifluo	101	3.183	3.183 (0.498)		102934	5.00000	5.3181
11 1,1-Dichloroethene	96	3.172	3.172 (0.496)		98800	5.00000	5.4290
12 Acetone	43	3.195	3.195 (0.500)		104731	10.0000	10.7413
13 Carbon Disulfide	76	3.409	3.409 (0.533)		274264	5.00000	5.0923
14 Methyl Acetate	43	3.527	3.527 (0.551)		109726	5.00000	5.4216
15 Methylene Chloride	84	3.646	3.646 (0.570)		110226	5.00000	5.3672
16 Methyl tert-Butyl Ether	73	3.931	3.931 (0.614)		329279	5.00000	5.3968
17 trans-1,2-Dichloroethene	96	3.931	3.931 (0.614)		109164	5.00000	5.3979
18 1,1-Dichloroethane	63	4.369	4.369 (0.683)		175683	5.00000	5.2952
\$ 19 2-Butanone-d5	46	4.915	4.915 (0.768)		150609	10.0000	10.5923
20 cis-1,2-Dichloroethene	96	4.998	4.998 (0.781)		117024	5.00000	5.3084
21 2-Butanone	43	4.986	4.986 (0.779)		123185	10.0000	10.1617
22 Bromochloromethane	128	5.259	5.259 (0.822)		56392	5.00000	5.2626
\$ 23 Chloroform-d	84	5.318	5.318 (0.831)		210392	5.00000	5.4748
24 Chloroform	83	5.330	5.330 (0.833)		180805	5.00000	5.3991

Compounds	QUANT SIG							AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	ON-COL (ug/L)	
25 1,1,1-Trichloroethane	97	5.555	5.555 (0.547)	146129	5.00000	5.1456 (Q)			
26 Cyclohexane	56	5.626	5.626 (0.554)	183132	5.00000	5.3586			
27 Carbon Tetrachloride	117	5.745	5.745 (0.566)	120079	5.00000	4.9809 (a)			
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.920)	140991	5.00000	5.7010			
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)	481294	5.00000	5.5771			
30 Benzene	78	5.970	5.970 (0.588)	444490	5.00000	5.5087			
31 1,2-Dichloroethane	62	5.982	5.982 (0.935)	151448	5.00000	5.5904			
* 32 1,4-Difluorobenzene	114	6.397	6.397 (1.000)	3866569	50.0000				
33 Trichlorobethene	95	6.705	6.705 (0.660)	108227	5.00000	5.3543			
\$ 34 1,2-Dichloropropane-d6	67	6.860	6.860 (0.675)	133494	5.00000	5.3641			
35 Methylcyclohexane	83	6.943	6.943 (0.684)	195435	5.00000	5.4054			
36 1,2-Dichloropropane	63	6.966	6.966 (0.686)	103008	5.00000	5.3532			
37 Bromodichloromethane	83	7.298	7.298 (0.719)	105639	5.00000	4.6665 (a)			
38 1,4-Dioxane	88	7.120	7.120 (1.113)	51963	100.000	100.5616			
\$ 39 1,4-Dioxane-d8	96	7.061	7.061 (1.104)	50904	100.000	110.1781			
\$ 40 trans-1,3-Dichloropropene-d4	79	7.796	7.796 (0.768)	245988	5.00000	4.9937 (a)			
41 cis-1,3-Dichloropropene	75	7.844	7.844 (0.772)	161796	5.00000	4.9136 (a)			
42 4-Methyl-2-pentanone	43	8.034	8.034 (0.791)	289078	5.00000	5.2657 (a)			
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)	457406	5.00000	5.5385			
44 Toluene	91	8.283	8.283 (0.816)	470917	5.00000	5.4225			
45 trans-1,3-Dichloropropene	75	8.567	8.567 (0.844)	143378	5.00000	4.7457 (a)			
46 1,1,2-Trichloroethane	97	8.840	8.840 (0.870)	99949	5.00000	5.2664			
47 Tetrachloroethene	164	9.065	9.065 (0.893)	96158	5.00000	5.3819			
\$ 48 2-Hexanone-d5	63	9.148	9.148 (0.901)	144077	10.0000	10.0875			
49 2-Hexanone	43	9.219	9.219 (0.908)	216081	10.0000	10.5647			
50 Dibromochloromethane	129	9.421	9.421 (0.928)	73578	5.00000	4.2557 (a)			
51 1,2-Dibromoethane	107	9.575	9.575 (0.943)	104485	5.00000	5.0651			
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)	3438437	50.0000				
53 Chlorobenzene	112	10.192	10.192 (1.004)	318591	5.00000	5.4243			
54 Ethylbenzene	91	10.322	10.322 (1.016)	523862	5.00000	5.4579			
55 m+p-Xylenes	106	10.465	10.465 (1.030)	208804	5.00000	5.2828			
56 o-Xylene	106	10.891	10.891 (1.072)	205290	5.00000	5.3536			
57 Styrene	104	10.903	10.903 (1.074)	322916	5.00000	5.0679			
58 Bromoform	173	11.093	11.093 (0.891)	44880	5.00000	3.7545 (a)			
59 Isopropylbenzene	105	11.271	11.271 (1.110)	533749	5.00000	5.5687			
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)	169327	5.00000	5.2674			
61 1,1,2,2-Tetrachloroethane	83	11.544	11.544 (1.137)	151571	5.00000	5.1938			
62 1,3-Dichlorobenzene	146	12.386	12.386 (0.995)	267672	5.00000	5.4342			
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)	1909402	50.0000				
64 1,4-Dichlorobenzene	146	12.457	12.457 (1.001)	287335	5.00000	5.5617			
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)	196583	5.00000	5.7637			
66 1,2-Dichlorobenzene	146	12.765	12.765 (1.026)	268643	5.00000	5.5720			
67 1,2-Dibromo-3-chloropropane	75	13.358	13.358 (1.073)	27536	5.00000	4.7861 (a)			
68 1,2,4-Trichlorobenzene	180	13.963	13.963 (1.122)	185683	5.00000	5.3385			
69 1,2,3-Trichlorobenzene	180	14.319	14.319 (1.151)	187469	5.00000	5.5413			

QC Flag Legend

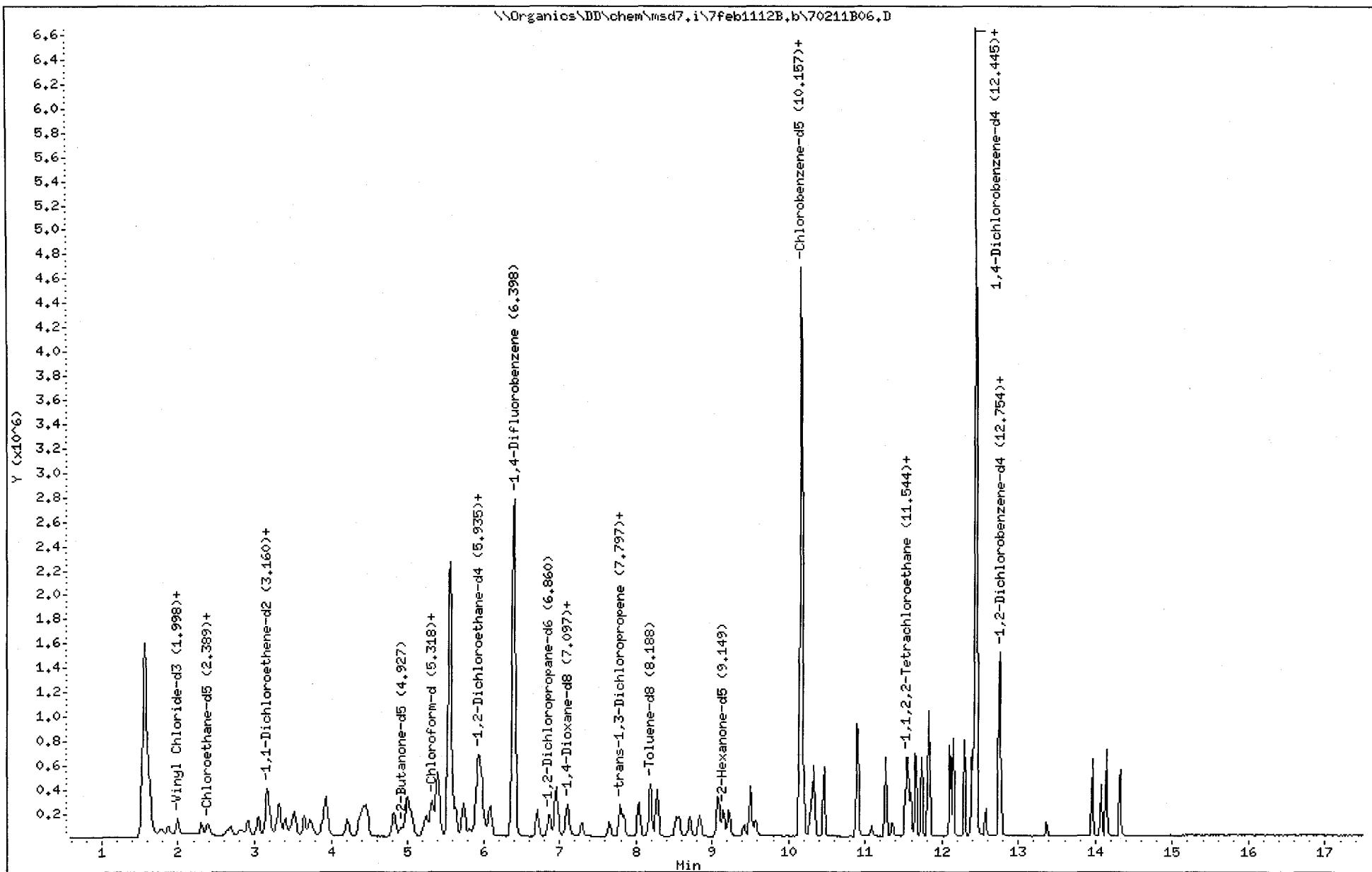
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B06.D
Date : 11-FEB-2012 18:43
Client ID: VSTD005MT
Sample Info: 7feb1112B.b, VSTD005MT
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

Page 3

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Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B05.D
Lab Smp Id: VSTD010MT Client Smp ID: VSTD010MT
Inj Date : 11-FEB-2012 18:21
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1112B.b, VSTD010MT
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1112B.b\CLPLMW-7.m
Meth Date : 21-Feb-2012 12:54 lbs Quant Type: ISTD
Cal Date : 11-FEB-2012 17:17 Cal File: 70211B02.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.760	1.760 (0.276)		225592	10.0000	10.0866
2 Chloromethane	50	1.867	1.879 (0.292)		176434	10.0000	10.3635
\$ 3 Vinyl Chloride-d3	65	1.986	1.986 (0.311)		189819	10.0000	10.7835
4 Vinyl Chloride	62	1.997	1.998 (0.313)		189413	10.0000	10.4430
5 Bromomethane	94	2.306	2.306 (0.361)		174688	10.0000	11.7925
\$ 6 Chloroethane-d5	69	2.377	2.377 (0.372)		214903	10.0000	11.4331
7 Chloroethane	64	2.401	2.401 (0.376)		161985	10.0000	10.9332
8 Trichlorofluoromethane	101	2.673	2.685 (0.419)		342250	10.0000	10.1736
\$ 9 1,1-Dichloroethene-d2	63	3.148	3.160 (0.493)		416662	10.0000	10.5998
10 1,1,2-Trichloro-1,2,2-trifluo	101	3.183	3.183 (0.499)		204602	10.0000	10.2038
11 1,1-Dichloroethene	96	3.160	3.172 (0.495)		193096	10.0000	10.2421
12 Acetone	43	3.195	3.195 (0.500)		207541	20.0000	20.5465
13 Carbon Disulfide	76	3.397	3.409 (0.532)		556988	10.0000	9.9826
14 Methyl Acetate	43	3.515	3.527 (0.551)		219740	10.0000	10.4804
15 Methylene Chloride	84	3.646	3.646 (0.571)		223094	10.0000	10.4859
16 Methyl tert-Butyl Ether	73	3.930	3.931 (0.616)		658623	10.0000	10.4199
17 trans-1,2-Dichloroethene	96	3.930	3.931 (0.616)		214221	10.0000	10.2248
18 1,1-Dichloroethane	63	4.369	4.369 (0.684)		358671	10.0000	10.4352
\$ 19 2-Butanone-d5	46	4.903	4.915 (0.768)		295210	20.0000	20.0411
20 cis-1,2-Dichloroethene	96	4.986	4.998 (0.781)		237223	10.0000	10.3872
21 2-Butanone	43	4.974	4.986 (0.779)		224668	20.0000	17.8896
22 Bromochloromethane	128	5.247	5.259 (0.822)		113593	10.0000	10.2326
\$ 23 Chloroform-d	84	5.306	5.318 (0.831)		426157	10.0000	10.7044
24 Chloroform	83	5.330	5.330 (0.835)		359788	10.0000	10.3707

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
25 1,1,1-Trichloroethane	97	5.555	5.555 (0.547)	299466	10.0000	10.0714 (Q)		
26 Cyclohexane	56	5.626	5.626 (0.554)	365840	10.0000	10.2239		
27 Carbon Tetrachloride	117	5.745	5.745 (0.566)	243794	10.0000	9.6584		
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.922)	287523	10.0000	11.2224		
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)	968638	10.0000	10.7201		
30 Benzene	78	5.970	5.970 (0.588)	876985	10.0000	10.3806		
31 1,2-Dichloroethane	62	5.970	5.982 (0.935)	290844	10.0000	10.3631		
* 32 1,4-Difluorobenzene	114	6.385	6.397 (1.000)	4005672	50.0000			
33 Trichloroethene	95	6.705	6.705 (0.660)	214026	10.0000	10.1129		
\$ 34 1,2-Dichloropropane-d6	67	6.859	6.860 (0.675)	274786	10.0000	10.5456		
35 Methylcyclohexane	83	6.942	6.943 (0.684)	374951	10.0000	9.9046		
36 1,2-Dichloropropane	63	6.966	6.966 (0.686)	206860	10.0000	10.2674		
37 Bromodichloromethane	83	7.298	7.298 (0.719)	229343	10.0000	9.6760		
38 1,4-Dioxane	88	7.120	7.120 (1.115)	211689	200.000	395.4455		
\$ 39 1,4-Dioxane-d8	96	7.061	7.061 (1.106)	190246	200.000	397.4747		
\$ 40 trans-1,3-Dichloropropene-d4	79	7.796	7.796 (0.768)	521768	10.0000	10.1165		
41 cis-1,3-Dichloropropene	75	7.844	7.844 (0.772)	339687	10.0000	9.8526		
42 4-Methyl-2-pentanone	43	8.033	8.034 (0.791)	591776	10.0000	10.2954		
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)	911245	10.0000	10.5383		
44 Toluene	91	8.271	8.283 (0.814)	931301	10.0000	10.2421		
45 trans-1,3-Dichloropropene	75	8.567	8.567 (0.844)	306688	10.0000	9.6951		
46 1,1,2-Trichloroethane	97	8.840	8.840 (0.870)	200787	10.0000	10.1044		
47 Tetrachloroethene	164	9.077	9.065 (0.894)	186141	10.0000	9.9502		
\$ 48 2-Hexanone-d5	63	9.148	9.148 (0.901)	303421	20.0000	20.2897		
49 2-Hexanone	43	9.219	9.219 (0.908)	440769	20.0000	20.5822		
50 Dibromochloromethane	129	9.421	9.421 (0.928)	161807	10.0000	8.9384		
51 1,2-Dibromoethane	107	9.575	9.575 (0.943)	217135	10.0000	10.0532		
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)	3600153	50.0000			
53 Chlorobenzene	112	10.192	10.192 (1.004)	629228	10.0000	10.2320		
54 Ethylbenzene	91	10.322	10.322 (1.016)	1051590	10.0000	10.4640		
55 m,p-Xylenes	106	10.464	10.465 (1.030)	421694	10.0000	10.1898		
56 o-Xylene	106	10.891	10.891 (1.072)	408911	10.0000	10.1848		
57 Styrene	104	10.903	10.903 (1.074)	664981	10.0000	9.9676		
58 Bromoform	173	11.093	11.093 (0.891)	104607	10.0000	8.1645		
59 Isopropylbenzene	105	11.271	11.271 (1.110)	1063689	10.0000	10.5993		
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)	346864	10.0000	10.3055		
61 1,1,2,2-Tetrachloroethane	83	11.544	11.544 (1.137)	315592	10.0000	10.3284		
62 1,3-Dichlorobenzene	146	12.386	12.386 (0.995)	537610	10.0000	10.1829		
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)	2046583	50.0000			
64 1,4-Dichlorobenzene	146	12.457	12.457 (1.001)	570186	10.0000	10.2969		
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)	387737	10.0000	10.6063		
66 1,2-Dichlorobenzene	146	12.765	12.765 (1.026)	535491	10.0000	10.3624		
67 1,2-Dibromo-3-chloropropane	75	13.358	13.358 (1.073)	56664	10.0000	9.1888		
68 1,2,4-Trichlorobenzene	180	13.963	13.963 (1.122)	377621	10.0000	10.1292		
69 1,2,3-Trichlorobenzene	180	14.318	14.319 (1.151)	370715	10.0000	10.2233		

QC Flag Legend

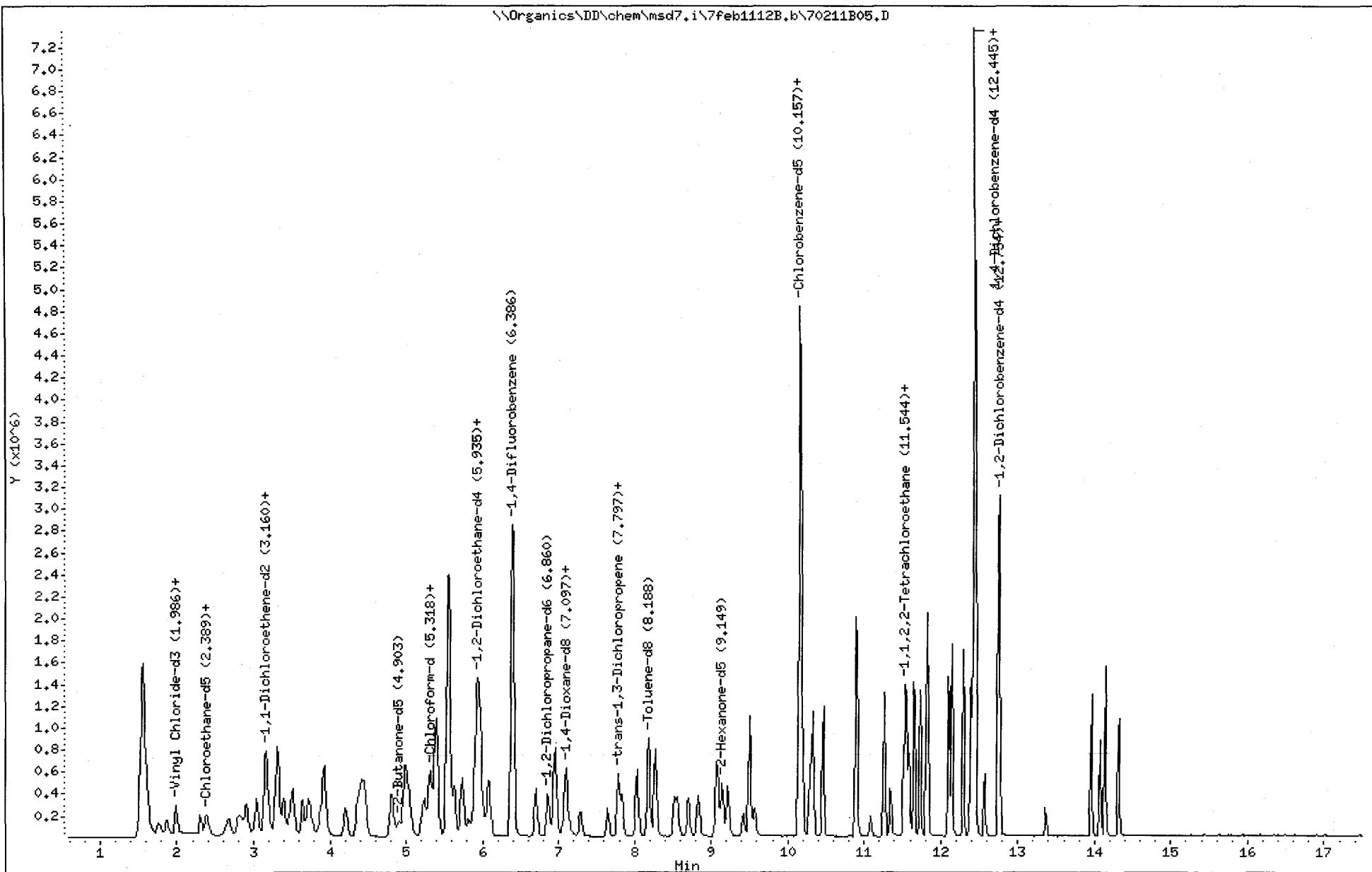
Q - Qualifier signal failed the ratio test.

Data File: \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B05.D
Date : 11-FEB-2012 18:21
Client ID: VSTD010MT
Sample Info: 7feb1112B.b, VSTD010MT
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

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Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B04.D
Lab Smp Id: VSTD050MT Client Smp ID: VSTD050MT
Inj Date : 11-FEB-2012 18:00
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1112B.b, VSTD050MT
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1112B.b\CLPLMW-7.m
Meth Date : 21-Feb-2012 12:54 lbs Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	ON-COL
1 Dichlorodifluoromethane	85	1.760	1.760 (0.275)	1101232	50.0000	48.0707	
2 Chloromethane	50	1.891	1.879 (0.296)	814789	50.0000	46.7250	
\$ 3 Vinyl Chloride-d3	65	1.997	1.986 (0.312)	839748	50.0000	46.5745	
4 Vinyl Chloride	62	2.009	1.998 (0.314)	885773	50.0000	47.6783	
5 Bromomethane	94	2.318	2.306 (0.362)	748336	50.0000	49.3199	
\$ 6 Chloroethane-d5	69	2.377	2.377 (0.372)	911957	50.0000	47.3670	
7 Chloroethane	64	2.413	2.401 (0.377)	734752	50.0000	48.4168	
8 Trichlorofluoromethane	101	2.685	2.685 (0.420)	1652824	50.0000	47.9668	
\$ 9 1,1-Dichloroethene-d2	63	3.148	3.160 (0.492)	1895033	50.0000	47.0665	
10 1,1,2-Trichloro-1,2,2-trifluo	101	3.183	3.183 (0.498)	1000339	50.0000	48.7059	
11 1,1-Dichloroethene	96	3.160	3.172 (0.494)	921152	50.0000	47.7010	
12 Acetone	43	3.195	3.195 (0.500)	952110	100.000	92.0242	
13 Carbon Disulfide	76	3.409	3.409 (0.533)	2794828	50.0000	48.9027	
14 Methyl Acetate	43	3.527	3.527 (0.551)	1004984	50.0000	46.7962	
15 Methylene Chloride	84	3.646	3.646 (0.570)	1034152	50.0000	47.4554	
16 Methyl tert-Butyl Ether	73	3.930	3.931 (0.614)	3097057	50.0000	47.8362	
17 trans-1,2-Dichloroethene	96	3.930	3.931 (0.614)	1024732	50.0000	47.7514	
18 1,1-Dichloroethane	63	4.369	4.369 (0.683)	1692047	50.0000	48.0614	
\$ 19 2-Butanone-d5	46	4.915	4.915 (0.768)	1362783	100.000	90.3229	
20 cis-1,2-Dichloroethene	96	4.998	4.998 (0.781)	1117099	50.0000	47.7544	
21 2-Butanone	43	4.986	4.986 (0.779)	1210937	100.000	94.1373	
22 Bromochloromethane	128	5.259	5.259 (0.822)	542057	50.0000	47.6715	
\$ 23 Chloroform-d	84	5.318	5.318 (0.831)	1897117	50.0000	46.5230	
24 Chloroform	83	5.330	5.330 (0.833)	1691105	50.0000	47.5896	

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
25 1,1,1-Trichloroethane	97	5.555	5.555	(0.547)	1481791	50.0000	48.6729 (Q)
26 Cyclohexane	56	5.626	5.626	(0.554)	1799885	50.0000	49.1279
27 Carbon Tetrachloride	117	5.745	5.745	(0.566)	1278027	50.0000	49.4513
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887	(0.920)	1190792	50.0000	45.3762
\$ 29 Benzene-d6	84	5.923	5.923	(0.583)	4331530	50.0000	46.8203
30 Benzene	78	5.970	5.970	(0.588)	4143245	50.0000	47.8993
31 1,2-Dichloroethane	62	5.982	5.982	(0.935)	1363818	50.0000	47.4425
* 32 1,4-Difluorobenzene	114	6.397	6.397	(1.000)	4102947	50.0000	
33 Trichloroethene	95	6.705	6.705	(0.660)	1040860	50.0000	48.0351
\$ 34 1,2-Dichloropropane-d6	67	6.871	6.860	(0.677)	1253640	50.0000	46.9900
35 Methylcyclohexane	83	6.954	6.943	(0.685)	1902564	50.0000	49.0862
36 1,2-Dichloropropane	63	6.966	6.966	(0.686)	982168	50.0000	47.6133
37 Bromodichloromethane	83	7.298	7.298	(0.719)	1197119	50.0000	49.3293
38 1,4-Dioxane	88	7.132	7.120	(1.115)	444881	1000.00	811.3565
\$ 39 1,4-Dioxane-d8	96	7.061	7.061	(1.104)	387459	1000.00	790.3132
\$ 40 trans-1,3-Dichloropropene-d4	79	7.796	7.796	(0.768)	2544841	50.0000	48.1914
41 cis-1,3-Dichloropropene	75	7.844	7.844	(0.772)	1729224	50.0000	48.9871
42 4-Methyl-2-pentanone	43	8.033	8.034	(0.791)	2845082	50.0000	48.3432
\$ 43 Toluene-d8	98	8.188	8.188	(0.806)	4159254	50.0000	46.9793
44 Toluene	91	8.283	8.283	(0.816)	4466588	50.0000	47.9767
45 trans-1,3-Dichloropropene	75	8.567	8.567	(0.844)	1606625	50.0000	49.6053
46 1,1,2-Trichloroethane	97	8.840	8.840	(0.870)	974952	50.0000	47.9198
47 Tetrachloroethene	164	9.077	9.065	(0.894)	927132	50.0000	48.4047
\$ 48 2-Hexanone-d5	63	9.148	9.148	(0.901)	1440987	100.000	94.1120
49 2-Hexanone	43	9.219	9.219	(0.908)	2088300	100.000	95.2419
50 Dibromochloromethane	129	9.421	9.421	(0.928)	934013	50.0000	50.3934
51 1,2-Dibromoethane	107	9.575	9.575	(0.943)	1070138	50.0000	48.3919
* 52 Chlorobenzene-d5	117	10.156	10.156	(1.000)	3686093	50.0000	
53 Chlorobenzene	112	10.192	10.192	(1.004)	3004216	50.0000	47.7135
54 Ethylbenzene	91	10.322	10.322	(1.016)	5072756	50.0000	49.3007
55 m+p-Xylenes	106	10.464	10.465	(1.030)	2048644	50.0000	48.3492
56 o-Xylene	106	10.891	10.891	(1.072)	1999074	50.0000	48.6304
57 Styrene	104	10.903	10.903	(1.074)	3401732	50.0000	49.8008
58 Bromoform	173	11.093	11.093	(0.891)	675648	50.0000	51.1744
59 Isopropylbenzene	105	11.271	11.271	(1.110)	5169463	50.0000	50.3111
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520	(1.134)	1660570	50.0000	48.1864
61 1,1,2,2-Tetrachloroethane	83	11.544	11.544	(1.137)	1513603	50.0000	48.3811
62 1,3-Dichlorobenzene	146	12.386	12.386	(0.995)	2634806	50.0000	48.4303
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445	(1.000)	2108956	50.0000	
64 1,4-Dichlorobenzene	146	12.457	12.457	(1.001)	2728813	50.0000	47.8219
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753	(1.025)	1775590	50.0000	47.1340
66 1,2-Dichlorobenzene	146	12.765	12.765	(1.026)	2554054	50.0000	47.9625
67 1,2-Dibromo-3-chloropropane	75	13.358	13.358	(1.073)	309867	50.0000	48.7632
68 1,2,4-Trichlorobenzene	180	13.963	13.963	(1.122)	1876907	50.0000	48.8566
69 1,2,3-Trichlorobenzene	180	14.318	14.319	(1.151)	1835563	50.0000	49.1228

QC Flag Legend

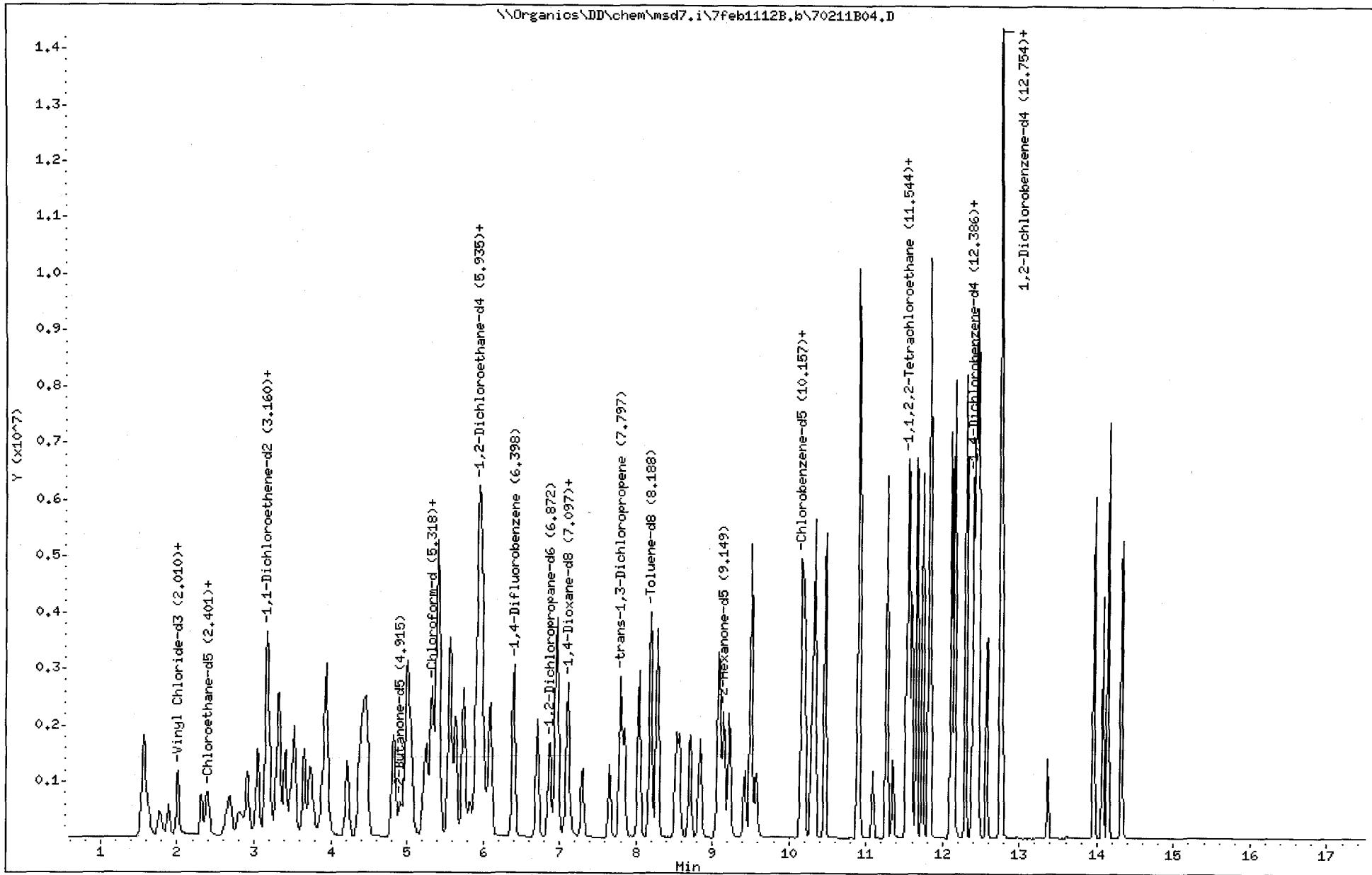
Q - Qualifier signal failed the ratio test.

Data File: \\Organics\\DD\\chem\\msd7.i\\7feb1112B.b\\70211B04.D
Date : 11-FEB-2012 18:00
Client ID: VSTD050MT
Sample Info: 7feb1112B.b, VSTD050MT
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

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Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B03.D
 Lab Smp Id: VSTD100MT Client Smp ID: VSTD100MT
 Inj Date : 11-FEB-2012 17:39
 Operator : LBS Inst ID: msd7.i
 Smp Info : 7feb1112B.b, VSTD100MT
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd7.i\7feb1112B.b\CLPLMW-7.m
 Meth Date : 21-Feb-2012 12:54 lbs Quant Type: ISTD
 Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
 Als bottle: 7 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: std.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	MASS	AMOUNTS					(ug/L)
		QUANT SIG	RT	EXP RT	REL RT	RESPONSE	
		====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.760	1.760 (0.275)	2284172	100.000	97.0563
2 Chloromethane	50		1.879	1.879 (0.294)	1700477	100.000	94.9222
\$ 3 Vinyl Chloride-d3	65		1.998	1.998 (0.312)	1726433	100.000	93.2057
4 Vinyl Chloride	62		2.009	1.998 (0.314)	1804358	100.000	94.5396
5 Bromomethane	94		2.306	2.306 (0.361)	1223619	100.000	78.4991
\$ 6 Chloroethane-d5	69		2.365	2.377 (0.370)	1653846	100.000	83.6161
7 Chloroethane	64		2.401	2.401 (0.375)	1365173	100.000	87.5661
8 Trichlorofluoromethane	101		2.685	2.685 (0.420)	3365524	100.000	95.0735
\$ 9 1,1-Dichloroethene-d2	63		3.148	3.160 (0.492)	3844643	100.000	92.9489
10 1,1,2-Trichloro-1,2,2-trifluo	101		3.172	3.183 (0.496)	2009831	100.000	95.2549
11 1,1-Dichloroethene	96		3.160	3.172 (0.494)	1899461	100.000	95.7457
12 Acetone	43		3.183	3.195 (0.498)	1998355	200.000	188.0099
13 Carbon Disulfide	76		3.397	3.409 (0.531)	5779257	100.000	98.4335
14 Methyl Acetate	43		3.515	3.527 (0.550)	2040239	100.000	92.4752
15 Methylene Chloride	84		3.634	3.646 (0.568)	2122808	100.000	94.8210
16 Methyl tert-Butyl Ether	73		3.930	3.931 (0.614)	6279122	100.000	94.4060
17 trans-1,2-Dichloroethene	96		3.930	3.931 (0.614)	2098145	100.000	95.1709
18 1,1-Dichloroethane	63		4.357	4.369 (0.681)	3419884	100.000	94.5559
\$ 19 2-Butanone-d5	46		4.915	4.915 (0.768)	3082501	200.000	198.8692
20 cis-1,2-Dichloroethene	96		4.986	4.998 (0.779)	2298234	100.000	95.6332
21 2-Butanone	43		4.974	4.986 (0.778)	2681815	200.000	202.9373
22 Bromochloromethane	128		5.247	5.259 (0.820)	1126200	100.000	96.4101
\$ 23 Chloroform-d	84		5.306	5.318 (0.829)	3917367	100.000	93.5107
24 Chloroform	83		5.330	5.330 (0.833)	3466929	100.000	94.9685

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
25 1,1,1-Trichloroethane	97	5.555	5.555 (0.547)	3079420	100.000	97.8730 (Q)	
26 Cyclohexane	56	5.626	5.626 (0.554)	3576296	100.000	94.4520	
27 Carbon Tetrachloride	117	5.745	5.745 (0.566)	2658887	100.000	99.5478	
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.920)	2413705	100.000	89.5302	
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)	8881081	100.000	92.8866	
30 Benzene	78	5.970	5.970 (0.588)	8440516	100.000	94.4172	
31 1,2-Dichloroethane	62	5.970	5.982 (0.933)	2764352	100.000	93.6046	
* 32 1,4-Difluorobenzene	114	6.397	6.397 (1.000)	4215053	50.0000		
33 Trichloroethene	95	6.705	6.705 (0.660)	2150115	100.000	96.0113	
\$ 34 1,2-Dichloropropane-d6	67	6.860	6.860 (0.675)	2602318	100.000	94.3816	
35 Methylcyclohexane	83	6.943	6.943 (0.684)	3823186	100.000	95.4421	
36 1,2-Dichloropropane	63	6.966	6.966 (0.686)	2034099	100.000	95.4132	
37 Bromodichloromethane	83	7.286	7.298 (0.717)	2562873	100.000	102.1853	
38 1,4-Dioxane	88	7.120	7.120 (1.113)	869959	2000.00	1544.3991	
\$ 39 1,4-Dioxane-d8	96	7.061	7.061 (1.104)	736794	2000.00	1462.8926	
\$ 40 trans-1,3-Dichloropropene-d4	79	7.796	7.796 (0.768)	5384989	100.000	98.6705	
41 cis-1,3-Dichloropropene	75	7.844	7.844 (0.772)	3642281	100.000	99.8384	
42 4-Methyl-2-pentanone	43	8.034	8.034 (0.791)	5761372	100.000	94.7242	
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)	8532411	100.000	93.2517	
44 Toluene	91	8.271	8.283 (0.814)	9149012	100.000	95.0873	
45 trans-1,3-Dichloropropene	75	8.567	8.567 (0.844)	3375039	100.000	100.8292	
46 1,1,2-Trichloroethane	97	8.840	8.840 (0.870)	2022210	100.000	96.1727	
47 Tetrachloroethene	164	9.065	9.065 (0.893)	1881749	100.000	95.0609	
\$ 48 2-Hexanone-d5	63	9.148	9.148 (0.901)	3102380	200.000	196.0533	
49 2-Hexanone	43	9.219	9.219 (0.908)	4282807	200.000	188.9982	
50 Dibromochloromethane	129	9.421	9.421 (0.928)	2042095	100.000	106.6083	
51 1,2-Dibromoethane	107	9.575	9.575 (0.943)	2220644	100.000	97.1641	
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)	3809539	50.0000		
53 Chlorobenzene	112	10.192	10.192 (1.004)	6202876	100.000	95.3230	
54 Ethylbenzene	91	10.322	10.322 (1.016)	10325705	100.000	97.1008	
55 m+p-Xylenes	106	10.465	10.465 (1.030)	4196066	100.000	95.8207	
56 o-Xylene	106	10.891	10.891 (1.072)	4066417	100.000	95.7161	
57 Styrene	104	10.903	10.903 (1.074)	6997575	100.000	99.1237	
58 Bromoform	173	11.093	11.093 (0.891)	1552862	100.000	114.2937	
59 Isopropylbenzene	105	11.259	11.271 (1.109)	10430956	100.000	98.2282	
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)	3361545	100.000	94.3845	
61 1,1,2,2-Tetrachloroethane	83	11.544	11.544 (1.137)	3065739	100.000	94.8185	
62 1,3-Dichlorobenzene	146	12.386	12.386 (0.995)	5397235	100.000	96.4045	
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)	2170252	50.0000	(Q)	
64 1,4-Dichlorobenzene	146	12.457	12.457 (1.001)	5546015	100.000	94.4477	
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)	3590304	100.000	92.6147	
66 1,2-Dichlorobenzene	146	12.765	12.765 (1.026)	5225617	100.000	95.3602	
67 1,2-Dibromo-3-chloropropane	75	13.358	13.358 (1.073)	677145	100.000	103.5514	
68 1,2,4-Trichlorobenzene	180	13.963	13.963 (1.122)	3846159	100.000	97.2894	
69 1,2,3-Trichlorobenzene	180	14.319	14.319 (1.151)	3754360	100.000	97.6354	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

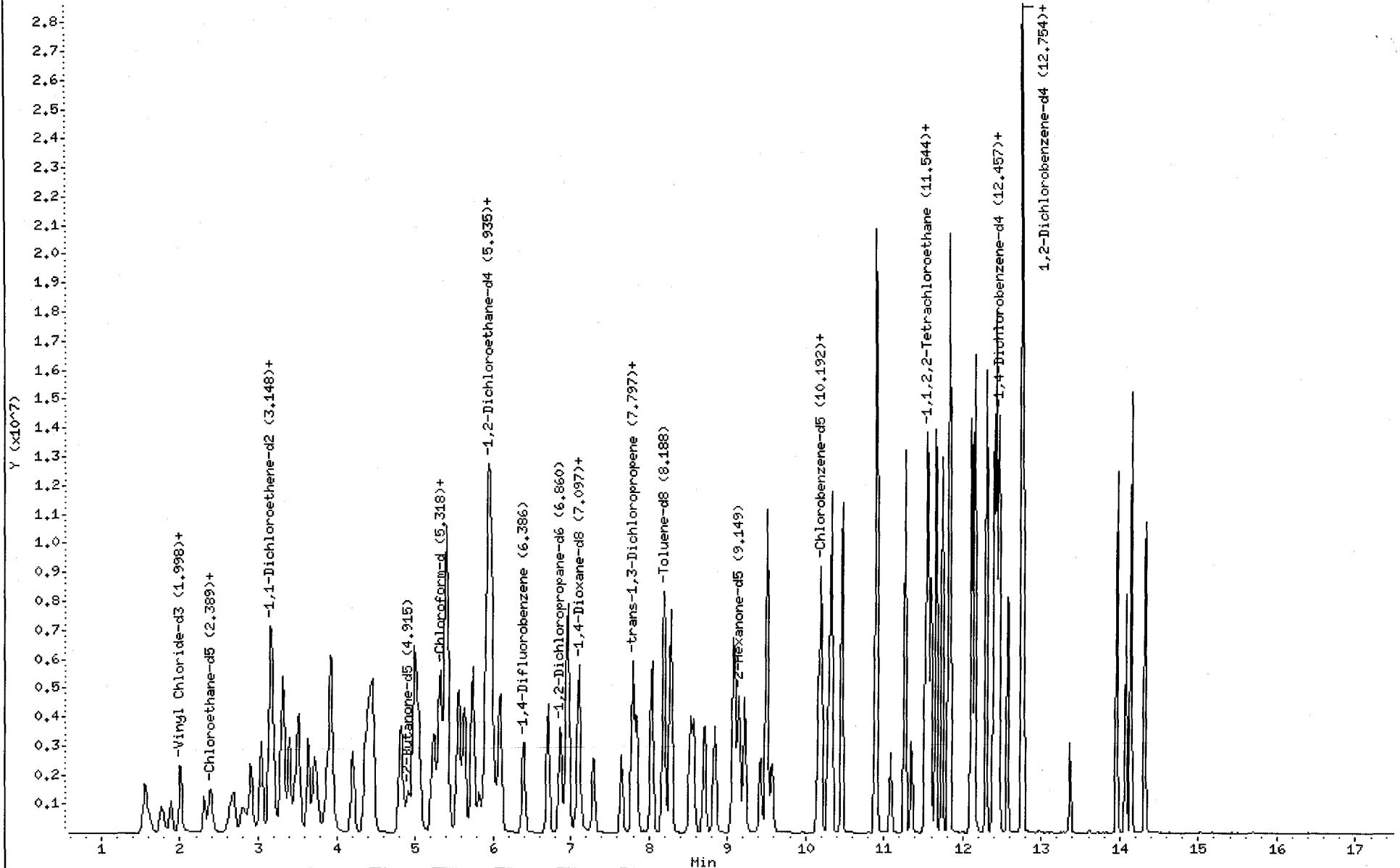
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Date : 11-FEB-2012 17:39
Client ID: VSTD100MT
Sample Info: 7feb1112B,b, VSTD100MT
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

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\\Organics\DD\chem\msd7,i\7feb1112B,b\70211B03.D



Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B02.D
Lab Smp Id: VSTD200MT Client Smp ID: VSTD200MT
Inj Date : 11-FEB-2012 17:17
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1112B.b, VSTD200MT
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1112B.b\CLPLMW-7.m
Meth Date : 21-Feb-2012 12:54 lbs Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85	1.760	1.760 (0.276)	4623533	200.000	200.4981 (A)	
2 Chloromethane	50	1.903	1.879 (0.298)	3461933	200.000	197.2226	
\$ 3 Vinyl Chloride-d3	65	2.009	1.986 (0.315)	3527756	200.000	194.3714	
4 Vinyl Chloride	62	2.021	1.998 (0.317)	3669673	200.000	196.2274	
5 Bromomethane	94	2.318	2.306 (0.363)	2312209	200.000	151.3864	
\$ 6 Chloroethane-d5	69	2.377	2.377 (0.372)	3302154	200.000	170.3857	
7 Chloroethane	64	2.401	2.401 (0.376)	2743636	200.000	179.6039	
8 Trichlorofluoromethane	101	2.685	2.685 (0.421)	6907110	200.000	199.1335	
\$ 9 1,1-Dichloroethene-d2	63	3.148	3.160 (0.493)	7783941	200.000	192.0565	
10 1,1,2-Trichloro-1,2,2-trifluo	101	3.183	3.183 (0.499)	4090635	200.000	197.8607	
11 1,1-Dichloroethene	96	3.160	3.172 (0.495)	3804178	200.000	195.7000	
12 Acetone	43	3.183	3.195 (0.499)	4325222	400.000	415.2957 (A)	
13 Carbon Disulfide	76	3.397	3.409 (0.532)	11746071	200.000	204.1760 (A)	
14 Methyl Acetate	43	3.515	3.527 (0.551)	4353609	200.000	201.3887 (A)	
15 Methylene Chloride	84	3.634	3.646 (0.569)	4302260	200.000	196.1244	
16 Methyl tert-Butyl Ether	73	3.930	3.931 (0.616)	12745505	200.000	195.5686	
17 trans-1,2-Dichloroethene	96	3.919	3.931 (0.614)	4282312	200.000	198.2385	
18 1,1-Dichloroethane	63	4.357	4.369 (0.682)	7021481	200.000	198.1286	
\$ 19 2-Butanone-d5	46	4.915	4.915 (0.770)	6324984	400.000	416.4518 (A)	
20 cis-1,2-Dichloroethene	96	4.986	4.998 (0.781)	4653779	200.000	197.6339	
21 2-Butanone	43	4.974	4.986 (0.779)	5869808	400.000	453.3129 (A)	
22 Bromochloromethane	128	5.247	5.259 (0.822)	2304487	200.000	201.3364 (A)	
\$ 23 Chloroform-d	84	5.306	5.318 (0.831)	7955212	200.000	193.8026	
24 Chloroform	83	5.330	5.330 (0.835)	7022634	200.000	196.3251	

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
25 1,1,1-Trichloroethane	97	5.555	5.555 (0.547)	6280669	200.000	202.3057 (AQ)	
26 Cyclohexane	56	5.626	5.626 (0.554)	7313692	200.000	195.7593	
27 Carbon Tetrachloride	117	5.745	5.745 (0.566)	5552766	200.000	210.6927 (A)	
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.922)	4938408	200.000	186.9448	
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)	17873793	200.000	189.4577	
30 Benzene	78	5.958	5.970 (0.587)	16900984	200.000	191.6030	
31 1,2-Dichloroethane	62	5.970	5.982 (0.935)	5559995	200.000	192.1407	
* 32 1,4-Difluorobenzene	114	6.385	6.397 (1.000)	4130114	50.0000		
33 Trichloroethene	95	6.705	6.705 (0.660)	4406169	200.000	199.4022	
\$ 34 1,2-Dichloropropane-d6	67	6.859	6.860 (0.675)	5381277	200.000	197.7974	
35 Methylcyclohexane	83	6.942	6.943 (0.684)	7844260	200.000	198.4607	
36 1,2-Dichloropropane	63	6.966	6.966 (0.686)	4191125	200.000	199.2394	
37 Bromodichloromethane	83	7.286	7.298 (0.717)	5398109	200.000	218.1279 (A)	
38 1,4-Dioxane	88	7.108	7.120 (1.113)	957298	4000.00	1734.3986	
\$ 39 1,4-Dioxane-d8	96	7.049	7.061 (1.104)	768063	4000.00	1556.3391	
\$ 40 trans-1,3-Dichloropropene-d4	79	7.784	7.796 (0.766)	11190749	200.000	207.8117 (A)	
41 cis-1,3-Dichloropropene	75	7.832	7.844 (0.771)	7587288	200.000	210.7749 (A)	
42 4-Methyl-2-pentanone	43	8.022	8.034 (0.790)	12041299	200.000	200.6394	
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)	17448935	200.000	193.2690	
44 Toluene	91	8.271	8.283 (0.814)	18624464	200.000	196.1734	
45 trans-1,3-Dichloropropene	75	8.555	8.567 (0.842)	7140274	200.000	216.1875 (A)	
46 1,1,2-Trichloroethane	97	8.828	8.840 (0.869)	4216496	200.000	203.2289 (A)	
47 Tetrachloroethene	164	9.065	9.065 (0.893)	3945064	200.000	201.9772 (A)	
\$ 48 2-Hexanone-d5	63	9.136	9.148 (0.900)	6591409	400.000	422.1487 (A)	
49 2-Hexanone	43	9.207	9.219 (0.907)	9095936	400.000	406.8034 (A)	
50 Dibromochloromethane	129	9.409	9.421 (0.926)	4464534	200.000	236.2105 (A)	
51 1,2-Dibromoethane	107	9.563	9.575 (0.942)	4700332	200.000	208.4316 (A)	
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)	3758932	50.0000		
53 Chlorobenzene	112	10.192	10.192 (1.004)	12641415	200.000	196.8830	
54 Ethylbenzene	91	10.322	10.322 (1.016)	18991290	200.000	180.9946	
55 m+p-Xylenes	106	10.464	10.465 (1.030)	8635396	200.000	199.8515	
56 o-Xylene	106	10.891	10.891 (1.072)	8224754	200.000	196.2023	
57 Styrene	104	10.903	10.903 (1.074)	13964720	200.000	200.4796 (A)	
58 Bromoform	173	11.081	11.093 (0.890)	3482264	200.000	253.2430 (A)	
59 Isopropylbenzene	105	11.271	11.271 (1.110)	17557082	200.000	167.5608	
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)	7087350	200.000	201.6757 (A)	
61 1,1,2,2-Tetrachloroethane	83	11.544	11.544 (1.137)	6460921	200.000	202.5166 (A)	
62 1,3-Dichlorobenzene	146	12.385	12.386 (0.995)	10903875	200.000	192.4390	
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)	2196464	50.0000	(Q)	
64 1,4-Dichlorobenzene	146	12.457	12.457 (1.001)	11375317	200.000	191.4080	
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)	7201660	200.000	183.5556	
66 1,2-Dichlorobenzene	146	12.765	12.765 (1.026)	10387565	200.000	187.2964	
67 1,2-Dibromo-3-chloropropane	75	13.358	13.358 (1.073)	1473340	200.000	222.6197 (A)	
68 1,2,4-Trichlorobenzene	180	13.963	13.963 (1.122)	7756774	200.000	193.8678	
69 1,2,3-Trichlorobenzene	180	14.318	14.319 (1.151)	7087540	200.000	182.1180	

QC Flag Legend

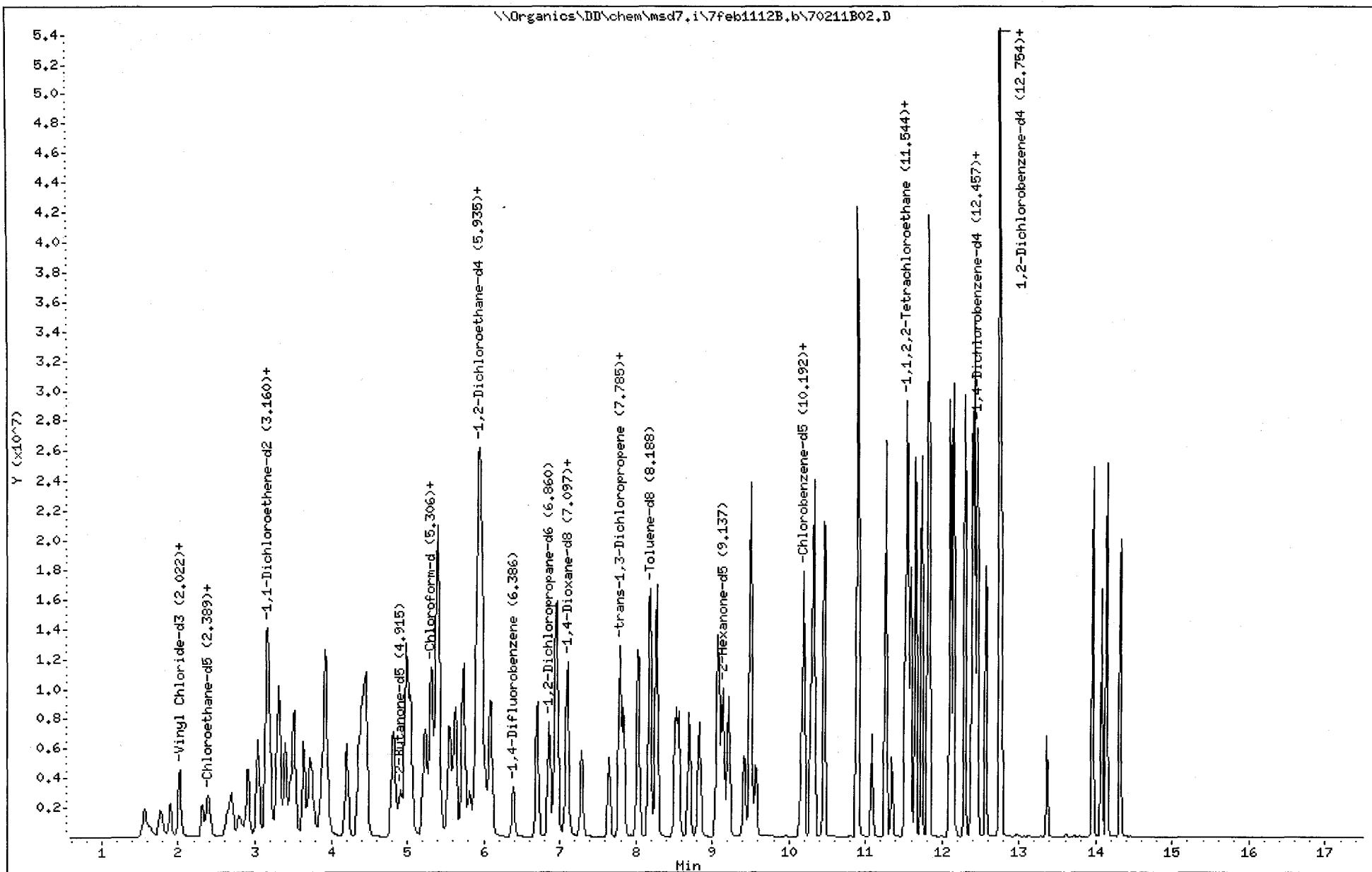
- A - Target compound detected but, quantitated amount exceeded maximum amount.
 Q - Qualifier signal failed the ratio test.

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Date : 11-FEB-2012 17:17
Client ID: VSTD200MT
Sample Info: 7feb1112B.b, VSTD200MT
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

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6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date(s): 02/16/2012 02/16/2012

Heated Purge: (Y/N) N Calibration Time(s): 1642 2256

Purge Volume: 1.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

LAB FILE ID:	RRF 5.0 = 50216A06	RRF 10 = 50216A08					
COMPOUND	RRF 5.0	RRF 10	RRF 50	RRF 100	RRF 200	RRF	%RSD
Dichlorodifluoromethane	0.2551	0.2934	0.3737	0.4033	0.3864	0.3424	18.8
Chloromethane	0.2806	0.3066	0.3795	0.4352	0.3802	0.3564	17.5
Vinyl chloride	0.2448	0.2679	0.3415	0.3870	0.3344	0.3151	18.4
Bromomethane	0.2023	0.2191	0.2812	0.2897	0.2635	0.2512	15.4
Chloroethane	0.2011	0.2087	0.2572	0.2620	0.2332	0.2324	11.8
Trichlorofluoromethane	0.4284	0.4436	0.5567	0.5966	0.5635	0.5178	14.7
1,1-Dichloroethene	0.2560	0.2368	0.3165	0.3302	0.2994	0.2878	13.9
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2693	0.2767	0.3402	0.3608	0.3342	0.3162	12.9
Acetone	0.0901	0.0578	0.0780	0.0799	0.0806	0.0773	15.4
Carbon Disulfide	0.7136	0.7030	0.9108	0.9666	0.8942	0.8376	14.5
Methyl acetate	0.2049	0.1762	0.2575	0.2668	0.2579	0.2327	17.2
Methylene chloride	0.2880	0.2674	0.3578	0.3710	0.3393	0.3247	13.8
trans-1,2-Dichloroethene	0.2807	0.2497	0.3356	0.3486	0.3131	0.3056	13.2
Methyl tert-butyl ether	0.7213	0.6700	0.9603	0.9457	0.9193	0.8433	16.2
1,1-Dichloroethane	0.5311	0.4872	0.6377	0.6593	0.6120	0.5855	12.5
cis-1,2-Dichloroethene	0.3057	0.2787	0.3638	0.3744	0.3420	0.3329	12.1
2-Butanone	0.1824	0.1408	0.2075	0.2003	0.2107	0.1883	15.3
Bromochloromethane	0.1624	0.1490	0.1978	0.1971	0.1863	0.1785	12.2
Chloroform	0.4783	0.4350	0.5762	0.5912	0.5510	0.5263	12.7
1,1,1-Trichloroethane	0.4387	0.4252	0.5710	0.6016	0.5656	0.5204	15.8
Cyclohexane	0.7205	0.6157	0.7378	0.7912	0.7161	0.7163	8.9
Carbon tetrachloride	0.3721	0.3596	0.5081	0.5390	0.5144	0.4587	18.7
Benzene	1.0975	0.9790	1.3351	1.3206	1.2173	1.1899	12.7
1,2-Dichloroethane	0.4043	0.3750	0.4781	0.5021	0.4877	0.4494	12.5
1,4-Dioxane	0.0027	0.0010	0.0019	0.0016	0.0010	0.0016	43.3
Trichloroethene	0.3017	0.2744	0.3718	0.3674	0.3508	0.3332	12.9
Methylcyclohexane	0.5853	0.5499	0.6918	0.7216	0.6747	0.6447	11.4

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date(s): 02/16/2012 02/16/2012

Heated Purge: (Y/N) N Calibration Time(s): 1642 2256

Purge Volume: 1.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

LAB FILE ID:	RRF 5.0 = 50216A06	RRF 10	= 50216A08	RRF 50	RRF 100	RRF 200	RRF	%RSD
RRF 50	= 50216A04	RRF 100	= 50216A03	RRF 200	= 50216A02			
COMPOUND	RRF 5.0	RRF 10	RRF 50	RRF 100	RRF 200	RRF		
1,2-Dichloropropane	0.3170	0.2841	0.3937	0.3892	0.3706	0.3509	13.7	
Bromodichloromethane	0.3382	0.3116	0.4506	0.4619	0.4455	0.4016	17.6	
cis-1,3-Dichloropropene	0.4707	0.4516	0.6145	0.6042	0.5815	0.5445	14.2	
4-Methyl-2-pentanone	0.2826	0.2340	0.3712	0.3589	0.3640	0.3222	18.9	
Toluene	1.1947	1.1021	1.4848	1.4695	1.3853	1.3273	12.9	
trans-1,3-Dichloropropene	0.4111	0.4018	0.5539	0.5519	0.5361	0.4910	15.8	
1,1,2-Trichloroethane	0.2403	0.2247	0.3139	0.3075	0.2950	0.2763	14.8	
Tetrachloroethene	0.2693	0.2636	0.3436	0.3427	0.3263	0.3091	12.8	
2-Hexanone	0.1972	0.1488	0.2544	0.2442	0.2500	0.2189	20.8	
Dibromochloromethane	0.2623	0.2495	0.3878	0.3954	0.3888	0.3367	22.0	
1,2-Dibromoethane	0.2635	0.2406	0.3427	0.3334	0.3258	0.3012	15.3	
Chlorobenzene	0.8560	0.7921	1.0602	1.0617	0.9985	0.9537	12.9	
Ethylbenzene	1.3588	1.3034	1.7351	1.7462	1.6348	1.5557	13.5	
o-Xylene	0.5324	0.5104	0.6720	0.6751	0.6160	0.6012	12.8	
m,p-Xylene	0.5280	0.5057	0.6904	0.6917	0.6481	0.6128	14.6	
Styrene	0.8469	0.8285	1.1432	1.1314	1.0466	0.9993	15.2	
Bromoform	0.2644	0.2489	0.4214	0.4412	0.4584	0.3669	27.7	
Isopropylbenzene	1.3449	1.3209	1.7510	1.8057	1.6620	1.5769	14.5	
1,1,2,2-Tetrachloroethane	0.2917	0.2602	0.3727	0.3621	0.3564	0.3286	15.1	
1,3-Dichlorobenzene	1.2524	1.1887	1.5306	1.5411	1.4194	1.3864	11.6	
1,4-Dichlorobenzene	1.2619	1.2112	1.5778	1.5941	1.5067	1.4304	12.6	
1,2-Dichlorobenzene	1.1988	1.1310	1.4891	1.4993	1.3876	1.3412	12.6	
1,2-Dibromo-3-chloropropane	0.0894	0.0668	0.1153	0.1180	0.1182	0.1015	22.5	
1,2,4-Trichlorobenzene	0.9222	0.8617	1.1328	1.2284	1.0319	1.0354	14.5	
1,2,3-Trichlorobenzene	0.8424	0.7881	1.0449	1.1442	0.9530	0.9545	15.2	

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date(s): 02/16/2012 02/16/2012

Heated Purge: (Y/N) N

Calibration Time(s): 1642 2256

Purge Volume: 1.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

LAB FILE ID:	RRF 5.0 =	50216A06	RRF 10	=	50216A08			
RRF 50	=	50216A04	RRF 100	=	50216A03	RRF 200	=	50216A02
COMPOUND	RRF 5.0	RRF 10	RRF 50	RRF 100	RRF 200	RRF	%RSD	
Vinyl Chloride-d3	0.3247	0.3613	0.3107	0.3434	0.3141	0.3309	6.4	
Chloroethane-d5	0.3453	0.3614	0.3114	0.3052	0.2857	0.3218	9.6	
1,1-Dichloroethene-d2	0.7682	0.7349	0.7278	0.7540	0.7205	0.7411	2.6	
2-Butanone-d5	0.1672	0.1234	0.1696	0.1665	0.1770	0.1607	13.2	
Chloroform-d	0.7449	0.6959	0.6291	0.6252	0.6157	0.6622	8.5	
1,2-Dichloroethane-d4	0.4930	0.4629	0.3985	0.3906	0.3958	0.4281	10.9	
Benzene-d6	1.6500	1.4988	1.3871	1.3505	1.2997	1.4372	9.7	
1,2-Dichloropropane-d6	0.5307	0.4980	0.4789	0.4612	0.4539	0.4845	6.4	
Toluene-d8	1.5677	1.4977	1.3576	1.3148	1.3007	1.4077	8.4	
trans-1,3-Dichloropropene-d4	0.5615	0.5510	0.5369	0.5199	0.5287	0.5396	3.1	
2-Hexanone-d5	0.1657	0.1402	0.1758	0.1652	0.1800	0.1654	9.4	
1,4-Dioxane-d8	0.0028	0.0023	0.0016	0.0015	0.0010	0.0018	39.1	
1,1,2,2-Tetrachloroethane-d2	0.4462	0.4008	0.4054	0.3896	0.4019	0.4088	5.3	
1,2-Dichlorobenzene-d4	1.2017	1.1778	1.0201	1.0026	0.9628	1.0730	10.2	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb1612.b\50216A06.D
Lab Smp Id: VSTD0050J Client Smp ID: VSTD0050J
Inj Date : 16-FEB-2012 19:25
Operator : LBS Inst ID: msd5.i
Smp Info : 5feb1612.b, VSTD0050J
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd5.i\5feb1612.b\CLPLMW-5.m
Meth Date : 21-Feb-2012 16:11 lbs Quant Type: ISTD
Cal Date : 16-FEB-2012 19:25 Cal File: 50216A06.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: som1.2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)
1 Dichlorodifluoromethane	85	1.713	1.703 (0.263)		14046	5.00000	3.7248(a)
2 Chloromethane	50	1.906	1.896 (0.293)		15450	5.00000	3.9357(a)
\$ 3 Vinyl Chloride-d3	65	1.987	1.987 (0.305)		17883	5.00000	4.9074(a)
4 Vinyl Chloride	62	1.997	1.997 (0.307)		13479	5.00000	3.8837(a)
5 Bromomethane	94	2.343	2.332 (0.360)		11142	5.00000	4.0277(a)
\$ 6 Chloroethane-d5	69	2.393	2.383 (0.367)		19016	5.00000	5.3652
7 Chloroethane	64	2.414	2.414 (0.371)		11073	5.00000	4.3254(a)
8 Trichlorodifluoromethane	101	2.678	2.688 (0.411)		23592	5.00000	4.1371(a)
\$ 9 1,1-Dichloroethene-d2	63	3.175	3.145 (0.487)		42302	5.00000	5.1828
10 1,1-Dichloroethene	96	3.185	3.165 (0.489)		14099	5.00000	4.4480(a)
12 Acetone	43	3.236	3.205 (0.497)		9927	10.0000	11.6625
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.195	3.195 (0.490)		14832	5.00000	4.2584(a)
14 Carbon Disulfide	76	3.429	3.429 (0.526)		39297	5.00000	4.2595(a)
15 Methyl Acetate	43	3.571	3.551 (0.548)		11286	5.00000	4.4043(a)
16 Methylene Chloride	84	3.703	3.672 (0.568)		15860	5.00000	4.4345(a)
17 trans-1,2-Dichloroethene	96	3.987	3.957 (0.612)		15456	5.00000	4.5926(a)
18 Methyl tert-Butyl Ether	73	3.977	3.967 (0.610)		39723	5.00000	4.2768(a)
20 1,1-Dichloroethane	63	4.444	4.424 (0.682)		29248	5.00000	4.5357(a)
\$ 21 2-Butanone-d5	46	5.012	5.002 (0.769)		18411	10.0000	10.4011
22 2-Butanone	43	5.124	5.124 (0.787)		20091	10.0000	10.4383
23 cis-1,2-Dichloroethene	96	5.084	5.063 (0.780)		16834	5.00000	4.5912(a)
25 Bromochloromethane	128	5.358	5.337 (0.822)		8946	5.00000	4.5495(a)
\$ 26 Chloroform-d	84	5.419	5.398 (0.832)		41023	5.00000	5.6249
27 Chloroform	83	5.439	5.419 (0.835)		26341	5.00000	4.5439(a)

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)
28 1,1,1-Trichloroethane	97	5.652	5.642	(0.577)	22784	5.00000	4.2145(a) <i>SAB for CBS 02/21/12</i>
29 Cyclohexane	56	5.713	5.703	(0.583)	37424	5.00000	5.0295(M)
31 Carbon Tetrachloride	117	5.835	5.825	(0.596)	19328	5.00000	4.0566(a)
\$ 32 1,2-Dichloroethane-d4	65	6.007	5.997	(0.922)	27148	5.00000	5.7572
\$ 33 Benzene-d6	84	6.028	6.018	(0.615)	85699	5.00000	5.7401
34 Benzene	78	6.078	6.058	(0.621)	57004	5.00000	4.6117(a)
35 1,2-Dichloroethane	62	6.099	6.089	(0.936)	22267	5.00000	4.4982(a)
* 36 1,4-Difluorobenzene	114	6.515	6.505	(1.000)	550693	50.0000	
37 Trichloroethene	95	6.820	6.809	(0.696)	15671	5.00000	4.5273(a)
\$ 38 1,2-Dichloropropane-d6	67	6.992	6.992	(0.714)	27565	5.00000	5.4763
39 Methylcyclohexane	83	7.043	7.043	(0.719)	30399	5.00000	4.5394(a)
40 1,2-Dichloropropane	63	7.104	7.094	(0.725)	16463	5.00000	4.5164(a)
\$ 41 1,4-Dioxane-d8	96	7.195	7.205	(1.104)	3065	100.000	151.9025
42 1,4-Dioxane	88	7.256	7.246	(1.114)	2993	100.000	165.3850
44 Bromodichloromethane	83	7.429	7.429	(0.759)	17566	5.00000	4.2109(a)
46 cis-1,3-Dichloropropene	75	7.987	7.977	(0.816)	24446	5.00000	4.3220(a)
47 4-Methyl-2-pentanone	43	8.180	8.170	(0.835)	29361	10.0000	8.7736(a)
\$ 48 Toluene-d8	98	8.312	8.302	(0.849)	81428	5.00000	5.5684
49 Toluene	91	8.383	8.383	(0.856)	62051	5.00000	4.5004(a) <i>SAB for CBS 02/21/12</i>
\$ 45 trans-1,3-Dichloropropene-d4	79	8.606	8.606	(0.879)	29166	5.00000	5.2031(M) } <i>SAB for CBS 02/21/12</i>
50 trans-1,3-Dichloropropene	75	8.637	8.637	(0.882)	21350	5.00000	4.1862(aM)}
51 1,1,2-Trichloroethane	97	8.840	8.840	(0.903)	12479	5.00000	4.3483(a)
52 Tetrachloroethene	164	8.982	8.972	(0.917)	13985	5.00000	4.3554(a)
\$ 54 2-Hexanone-d5	63	9.043	9.043	(0.923)	17211	10.0000	10.0185
55 2-Hexanone	43	9.094	9.094	(0.928)	20486	10.0000	9.0089(a)
56 Dibromochloromethane	129	9.246	9.246	(0.944)	13622	5.00000	3.8941(a)
57 1,2-Dibromoethane	107	9.368	9.368	(0.956)	13685	5.00000	4.3737(a)
* 58 Chlorobenzene-d5	117	9.794	9.794	(1.000)	519399	50.0000	
59 Chlorobenzene	112	9.824	9.824	(1.003)	44459	5.00000	4.4877(a)
61 Ethylbenzene	91	9.916	9.916	(1.012)	70574	5.00000	4.3671(a)
62 m+p-Xylenes	106	10.027	10.028	(1.024)	27423	5.00000	4.3082(a)
63 o-Xylene	106	10.373	10.373	(1.059)	27655	5.00000	4.4281(a)
64 Styrene	104	10.383	10.383	(1.060)	43987	5.00000	4.2372(a)
65 Bromoform	173	10.555	10.555	(0.901)	8125	5.00000	3.6039(a)
66 Isopropylbenzene	105	10.677	10.677	(1.090)	69854	5.00000	4.2643(a)
\$ 67 1,1,2,2-Tetrachloroethane-d2	84	10.911	10.911	(1.114)	23178	5.00000	5.4581
68 1,1,2,2-Tetrachloroethane	83	10.931	10.931	(1.116)	15150	5.00000	4.4381(a)
79 1,3-Dichlorobenzene	146	11.662	11.662	(0.996)	38481	5.00000	4.5165(a)
* 80 1,4-Dichlorobenzene-d4	152	11.713	11.713	(1.000)	307264	50.0000	
81 1,4-Dichlorobenzene	146	11.733	11.733	(1.002)	38775	5.00000	4.4113(a)
\$ 83 1,2-Dichlorobenzene-d4	152	11.997	11.997	(1.024)	36925	5.00000	5.5998
84 1,2-Dichlorobenzene	146	12.007	12.007	(1.025)	36834	5.00000	4.4691(a)
85 1,2-Dibromo-3-chloropropane	75	12.555	12.555	(1.072)	2747	5.00000	4.4019(a)
86 1,2,4-Trichlorobenzene	180	13.114	13.114	(1.120)	28335	5.00000	4.4531(a)
89 1,2,3-Trichlorobenzene	180	13.449	13.449	(1.148)	25883	5.00000	4.4125(a)

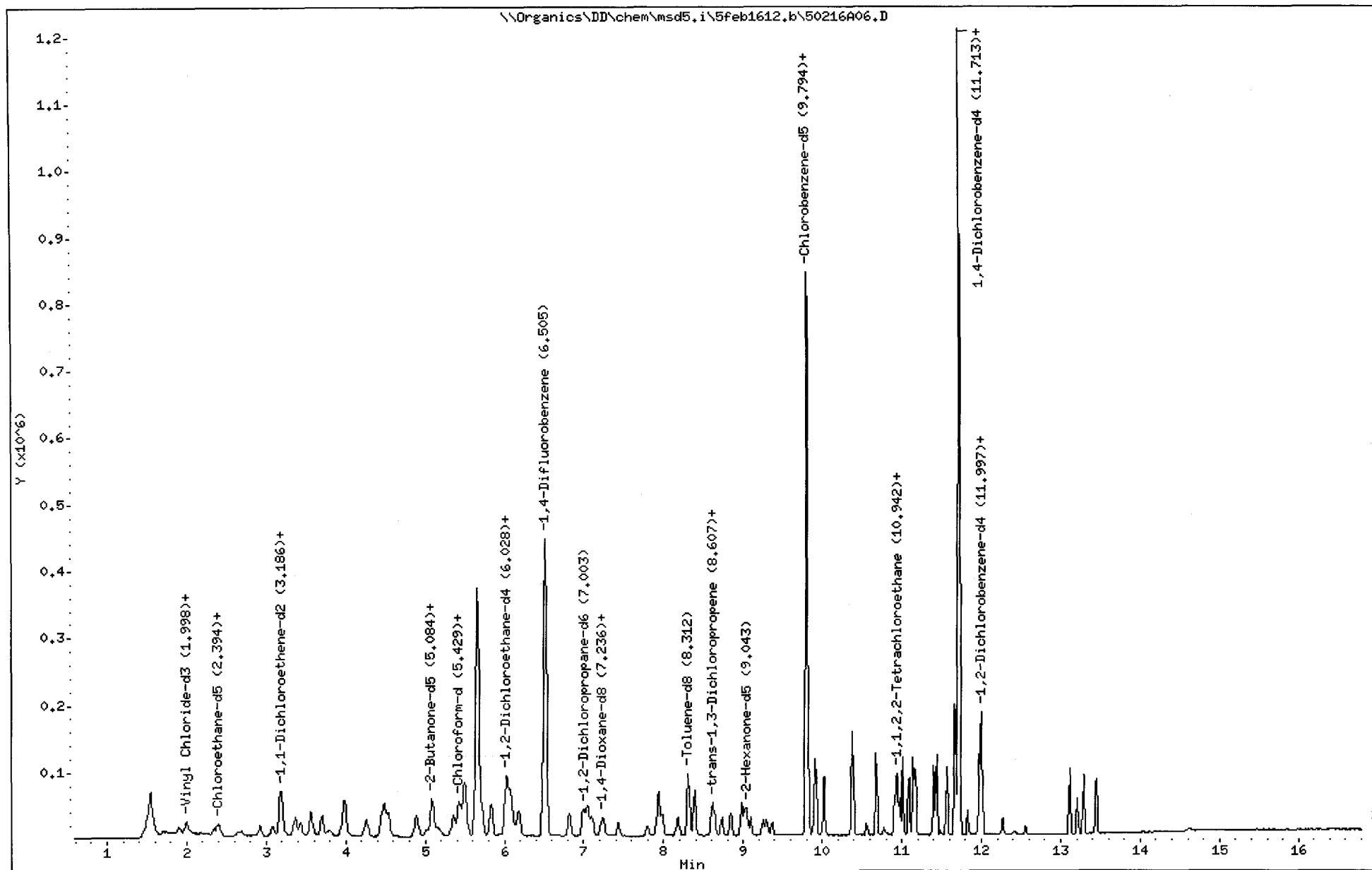
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\Organics\DD\chem\msd5.i\5feb1612.b\50216A06.D
Date : 16-FEB-2012 19:25
Client ID: VSTD0050J
Sample Info: 5feb1612.b, VSTD0050J
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd5.i
Operator: LBS
Column diameter: 0.25



Inj. Date and Time: 16-FEB-2012 19:25

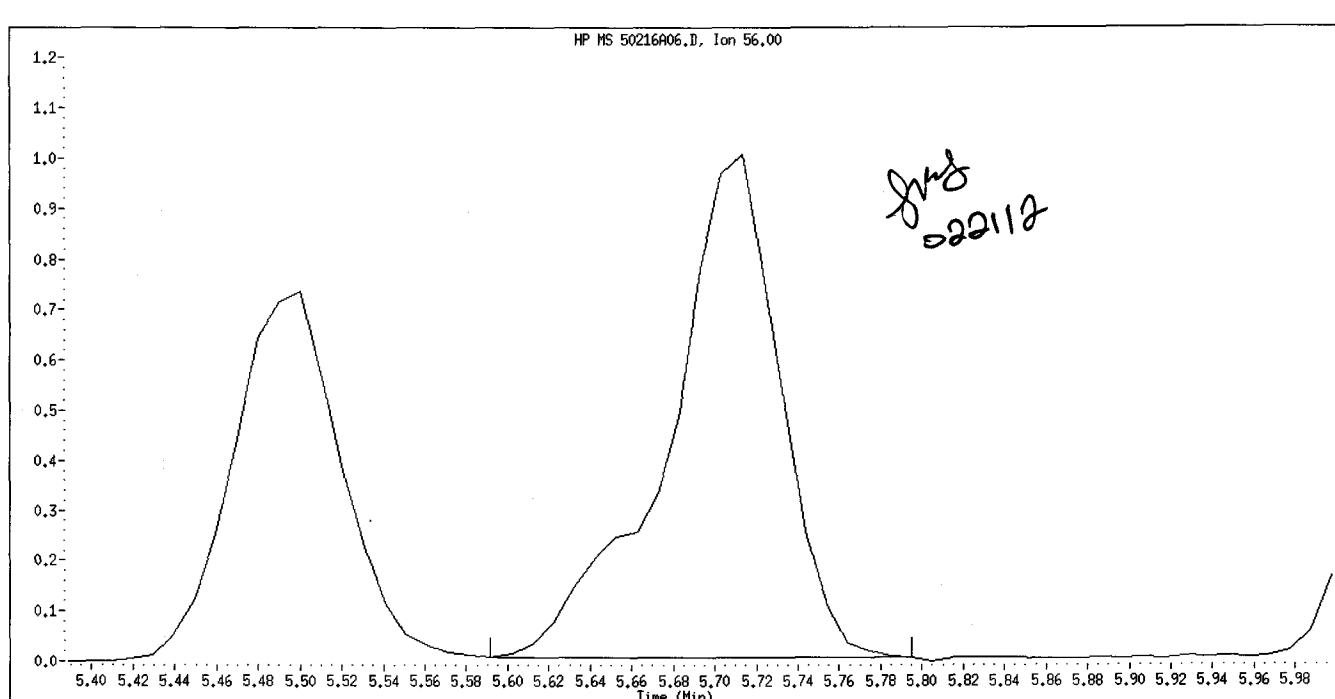
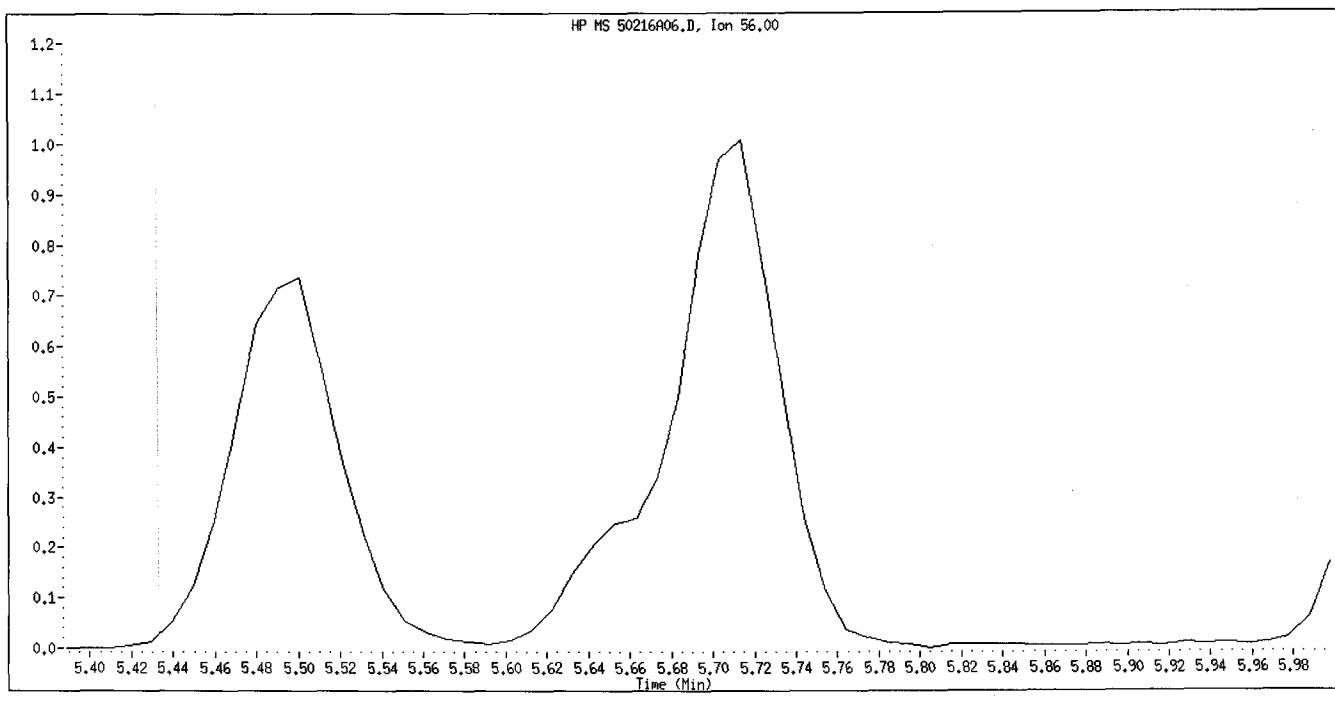
Instrument ID: msd5.i

Client ID: VSTD0050J

Compound Name: Cyclohexane

CAS #: 110-82-7

Report Date: 02/17/2012

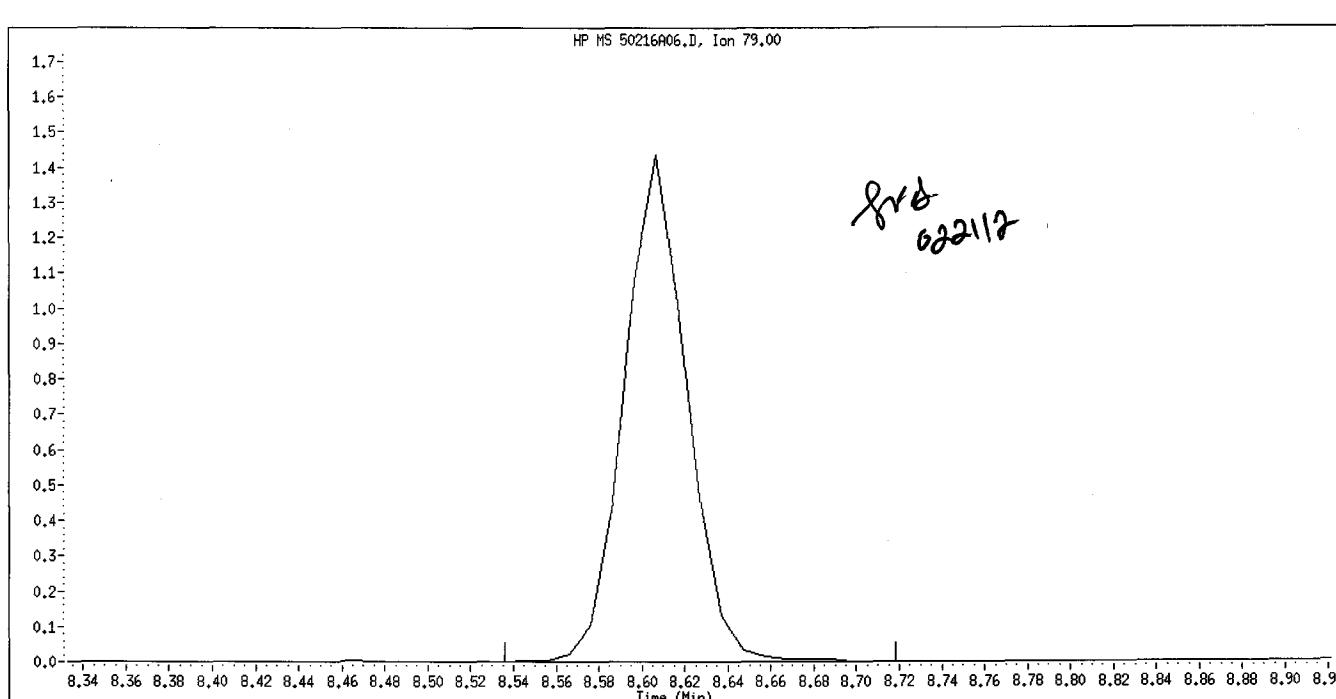
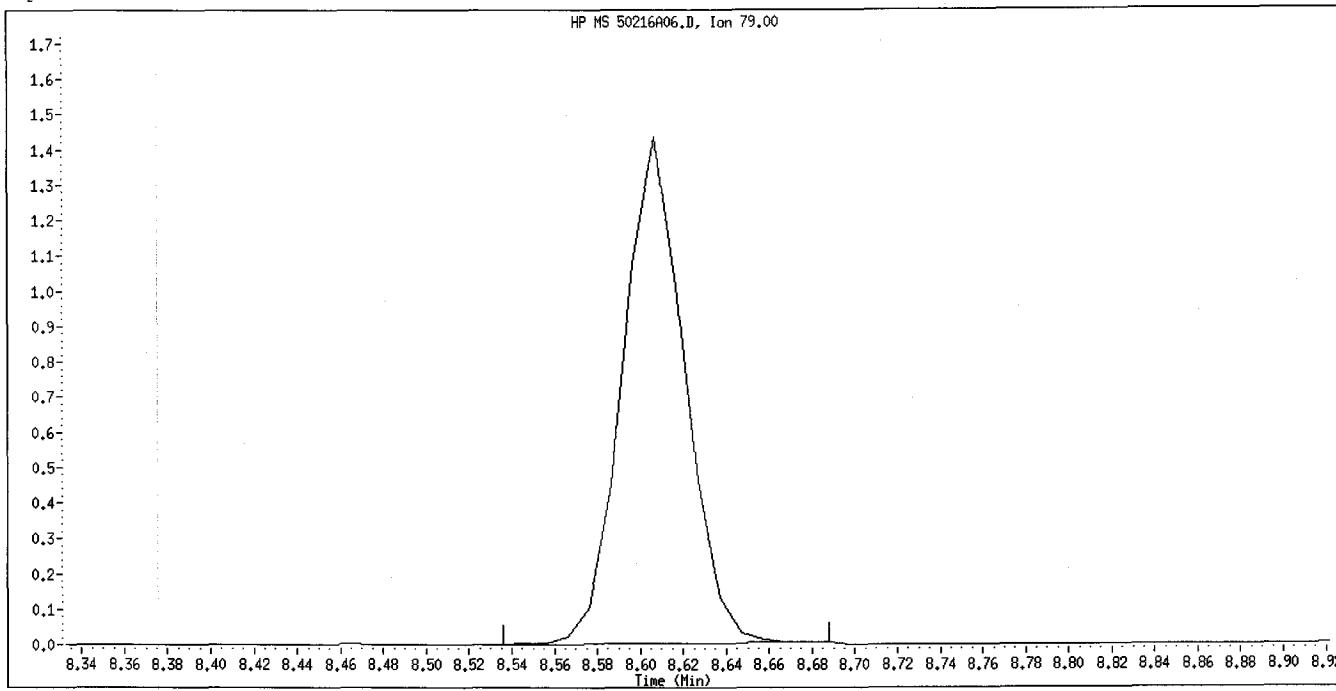


Manual Integration

Manually Integrated By: LBS

Manual Integration Reason: Unknown

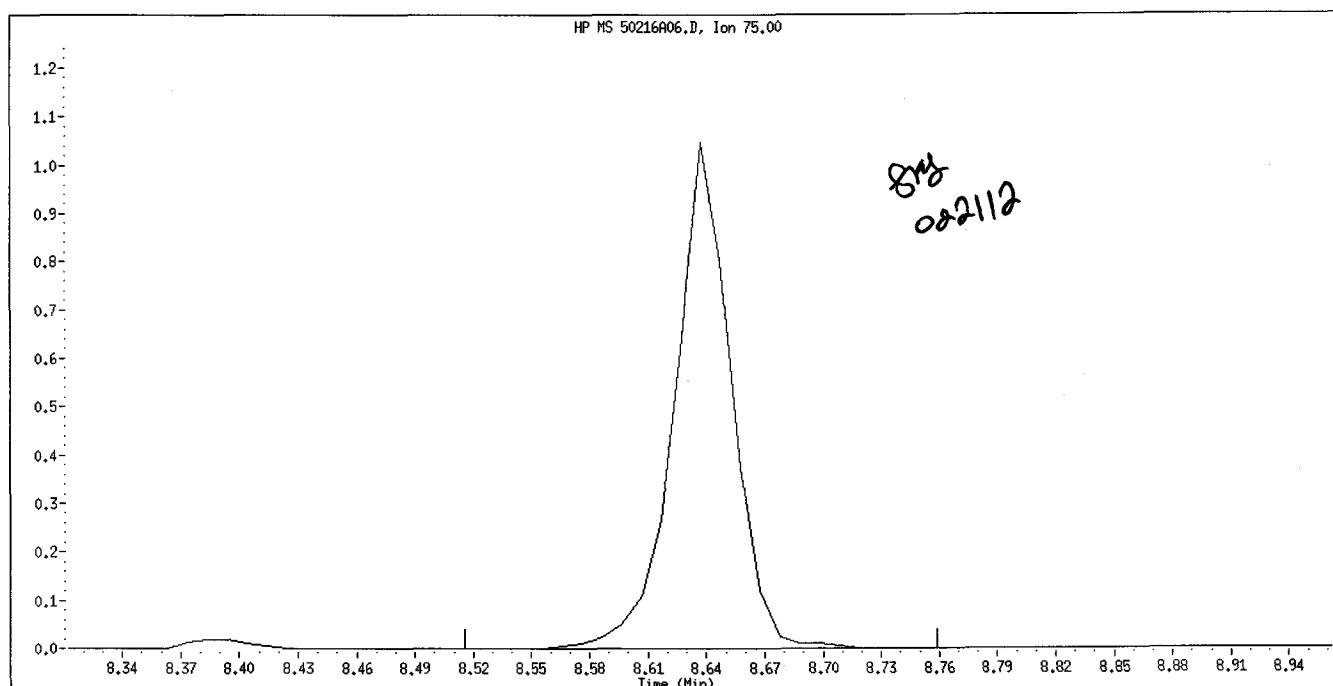
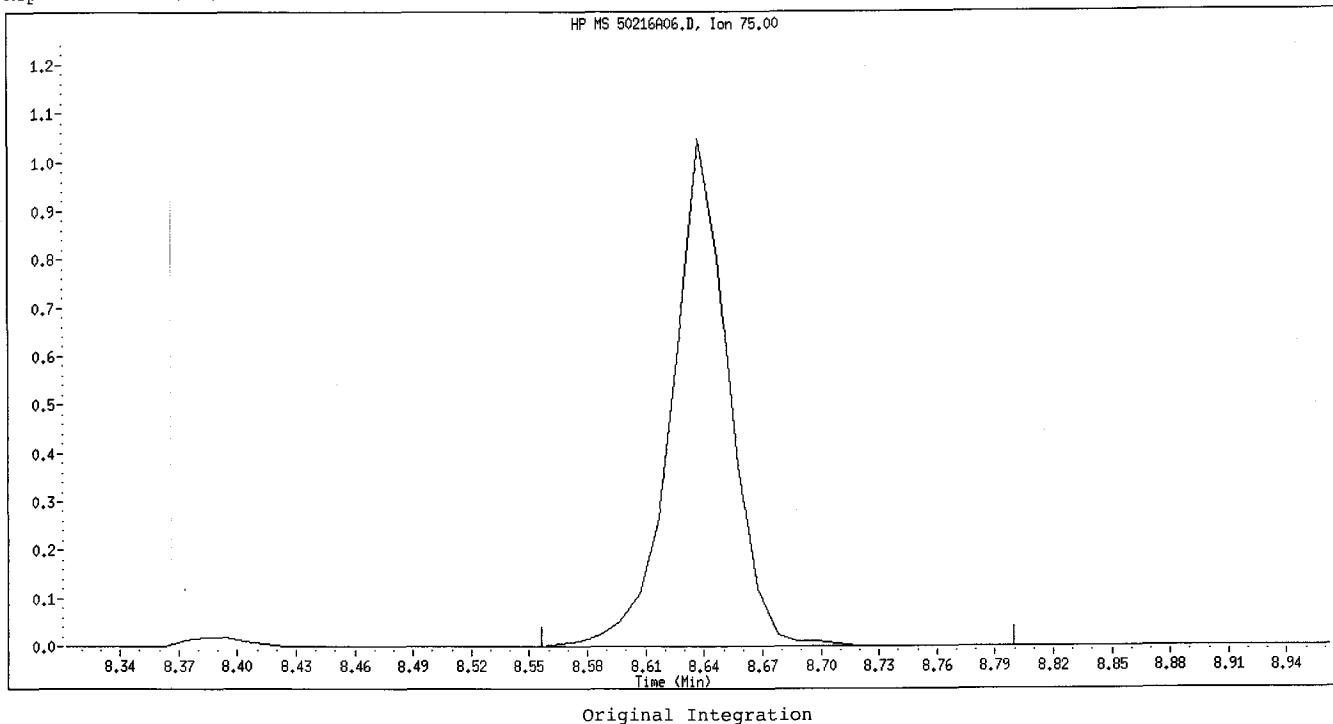
Data File Name: 50216A06.D
Inj. Date and Time: 16-FEB-2012 19:25
Instrument ID: msd5.i
Client ID: VSTD005OJ
Compound Name: trans-1,3-Dichloropropene-d4
CAS #: 93951-86-1
Report Date: 02/17/2012



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

Data File Name: 50216A06.D
Inj. Date and Time: 16-FEB-2012 19:25
Instrument ID: msd5.i
Client ID: VSTD005OJ
Compound Name: trans-1,3-Dichloropropene
CAS #: 10061-02-6
Report Date: 02/17/2012



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb1612.b\50216A08.D
 Lab Smp Id: VSTD0100J Client Smp ID: VSTD0100J
 Inj Date : 16-FEB-2012 22:56
 Operator : LBS Inst ID: msd5.i
 Smp Info : 5feb1612.b, VSTD0100J
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd5.i\5feb1612.b\CLPLMW-5.m
 Meth Date : 21-Feb-2012 16:11 lbs Quant Type: ISTD
 Cal Date : 16-FEB-2012 22:56 Cal File: 50216A08.D
 Als bottle: 8 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: som1.2.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)
1 Dichlorodifluoromethane	85	1.703	1.703 (0.262)		27323	10.0000	8.5688
2 Chloromethane	50	1.896	1.896 (0.292)		28557	10.0000	8.6029
\$ 3 Vinyl Chloride-d3	65	1.987	1.987 (0.306)		33652	10.0000	10.9209
4 Vinyl Chloride	62	1.997	1.997 (0.307)		24952	10.0000	8.5022
5 Bromomethane	94	2.332	2.332 (0.359)		20402	10.0000	8.7217
\$ 6 Chloroethane-d5	69	2.383	2.383 (0.366)		33663	10.0000	11.2320
7 Chloroethane	64	2.414	2.414 (0.371)		19438	10.0000	8.9795(M)
8 Trichlorofluoromethane	101	2.688	2.688 (0.413)		41312	10.0000	8.5673
\$ 9 1,1-Dichloroethene-d2	63	3.145	3.145 (0.483)		68447	10.0000	9.9173
10 1,1-Dichloroethene	96	3.165	3.165 (0.487)		22054	10.0000	8.2281
12 Acetone	43	3.205	3.205 (0.493)		10764	20.0000	14.9548
11 1,1,2-Trichloro-1,2,2-trifluo	101	3.195	3.195 (0.491)		25766	10.0000	8.7483
14 Carbon Disulfide	76	3.429	3.429 (0.527)		65472	10.0000	8.3925
15 Methyl Acetate	43	3.551	3.551 (0.546)		16411	10.0000	7.5737
16 Methylene Chloride	84	3.672	3.672 (0.565)		24905	10.0000	8.2351
17 trans-1,2-Dichloroethene	96	3.957	3.957 (0.608)		23260	10.0000	8.1735
18 Methyl tert-Butyl Ether	73	3.967	3.967 (0.610)		62395	10.0000	7.9444
20 1,1-Dichloroethane	63	4.424	4.424 (0.680)		45374	10.0000	8.3213
\$ 21 2-Butanone-d5	46	5.002	5.002 (0.769)		22987	20.0000	15.3574
22 2-Butanone	43	5.124	5.124 (0.788)		26225	20.0000	14.9513(M)
23 cis-1,2-Dichloroethene	96	5.063	5.063 (0.778)		25953	10.0000	8.3708
25 Bromochloromethane	128	5.337	5.337 (0.821)		13878	10.0000	8.3464
\$ 26 Chloroform-d	84	5.398	5.398 (0.830)		64813	10.0000	10.5096
27 Chloroform	83	5.419	5.419 (0.833)		40514	10.0000	8.2649

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
28 1,1,1-Trichloroethane	97	5.642	5.642 (0.576)		39234	10.0000	8.1702
29 Cyclohexane	56	5.703	5.703 (0.582)		56815	10.0000	8.5960
31 Carbon Tetrachloride	117	5.825	5.825 (0.595)		33182	10.0000	7.8403
\$ 32 1,2-Dichloroethane-d4	65	5.997	5.997 (0.922)		43110	10.0000	10.8115
\$ 33 Benzene-d6	84	6.018	6.018 (0.614)		138301	10.0000	10.4286
34 Benzene	78	6.058	6.058 (0.619)		90332	10.0000	8.2273
35 1,2-Dichloroethane	62	6.089	6.089 (0.936)		34928	10.0000	8.3442
* 36 1,4-Difluorobenzene	114	6.505	6.505 (1.000)		465668	50.0000	
37 Trichloroethene	95	6.809	6.809 (0.695)		25316	10.0000	8.2338
\$ 38 1,2-Dichloropropane-d6	67	6.992	6.992 (0.714)		45949	10.0000	10.2768
39 Methylcyclohexane	83	7.043	7.043 (0.719)		50744	10.0000	8.5306
40 1,2-Dichloropropane	63	7.094	7.094 (0.724)		26213	10.0000	8.0958
\$ 41 1,4-Dioxane-d8	96	7.205	7.205 (1.108)		4340	200.000	254.3650
42 1,4-Dioxane	88	7.246	7.246 (1.114)		1810	200.000	118.2772
44 Bromodichloromethane	83	7.429	7.429 (0.758)		28756	10.0000	7.7605
46 cis-1,3-Dichloropropene	75	7.977	7.977 (0.814)		41675	10.0000	8.2949
47 4-Methyl-2-pentanone	43	8.170	8.170 (0.834)		43191	20.0000	14.5296
\$ 48 Toluene-d8	98	8.302	8.302 (0.848)		138200	10.0000	10.6395
49 Toluene	91	8.383	8.383 (0.856)		101696	10.0000	8.3036
\$ 45 trans-1,3-Dichloropropene-d4	79	8.606	8.606 (0.879)		50844	10.0000	10.2113
50 trans-1,3-Dichloropropene	75	8.637	8.637 (0.882)		37074	10.0000	8.1837
51 1,1,2-Trichloroethane	97	8.840	8.840 (0.903)		20732	10.0000	8.1328
52 Tetrachloroethene	164	8.972	8.972 (0.916)		24324	10.0000	8.5281
\$ 54 2-Hexanone-d5	63	9.043	9.043 (0.923)		25869	20.0000	16.9525
55 2-Hexanone	43	9.094	9.094 (0.928)		27455	20.0000	13.5922
56 Dibromochloromethane	129	9.246	9.246 (0.944)		23021	10.0000	7.4088
57 1,2-Dibromoethane	107	9.368	9.368 (0.956)		22203	10.0000	7.9886
* 58 Chlorobenzene-d5	117	9.794	9.794 (1.000)		461367	50.0000	
59 Chlorobenzene	112	9.824	9.824 (1.003)		73091	10.0000	8.3058
61 Ethylbenzene	91	9.916	9.916 (1.012)		120269	10.0000	8.3784
62 m+p-Xylenes	106	10.028	10.028 (1.024)		46660	10.0000	8.2524
63 o-Xylene	106	10.373	10.373 (1.059)		47095	10.0000	8.4894
64 Styrene	104	10.383	10.383 (1.060)		76452	10.0000	8.2908
65 Bromoform	173	10.555	10.555 (0.901)		13791	10.0000	6.7846
66 Isopropylbenzene	105	10.677	10.677 (1.090)		121880	10.0000	8.3763
\$ 67 1,1,2,2-Tetrachloroethane-d2	84	10.911	10.911 (1.114)		36985	10.0000	9.8050
68 1,1,2,2-Tetrachloroethane	83	10.931	10.931 (1.116)		24009	10.0000	7.9180
79 1,3-Dichlorobenzene	146	11.662	11.662 (0.996)		65862	10.0000	8.5738
* 80 1,4-Dichlorobenzene-d4	152	11.713	11.713 (1.000)		277032	50.0000	
81 1,4-Dichlorobenzene	146	11.733	11.733 (1.002)		67111	10.0000	8.4681
\$ 83 1,2-Dichlorobenzene-d4	152	11.997	11.997 (1.024)		65257	10.0000	10.9765
84 1,2-Dichlorobenzene	146	12.007	12.007 (1.025)		62667	10.0000	8.4332
85 1,2-Dibromo-3-chloropropane	75	12.555	12.555 (1.072)		3703	10.0000	6.5815
86 1,2,4-Trichlorobenzene	180	13.114	13.114 (1.120)		47745	10.0000	8.3224
89 1,2,3-Trichlorobenzene	180	13.449	13.449 (1.148)		43664	10.0000	8.2562

QC Flag Legend

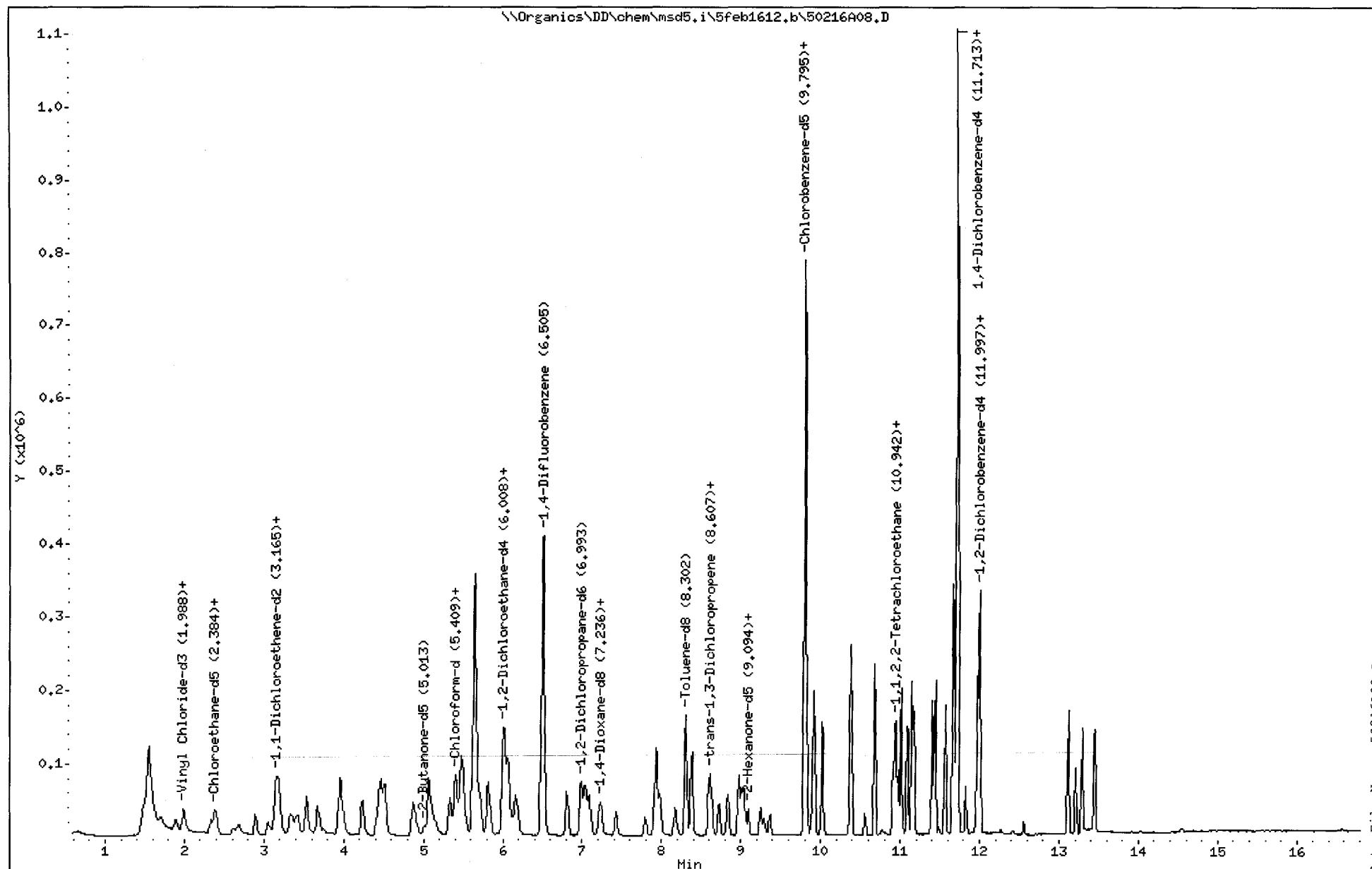
M - Compound response manually integrated.

Data File: \\Organics\DD\chem\msd5.i\5feb1612.b\50216A08.D
Date : 16-FEB-2012 22:56
Client ID: VSTD0100J
Sample Info: 5feb1612.b, VSTD0100J
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd5.i
Operator: LBS
Column diameter: 0.25

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Inj. Date and Time: 16-FEB-2012 22:56

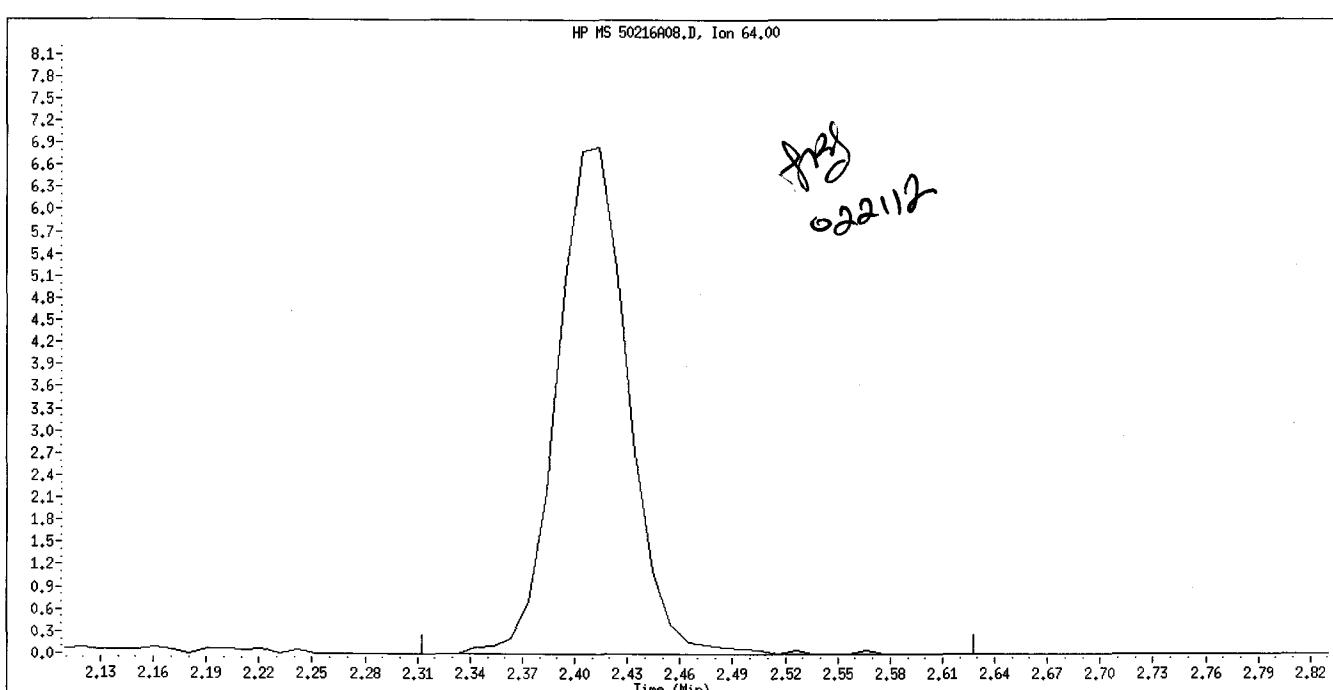
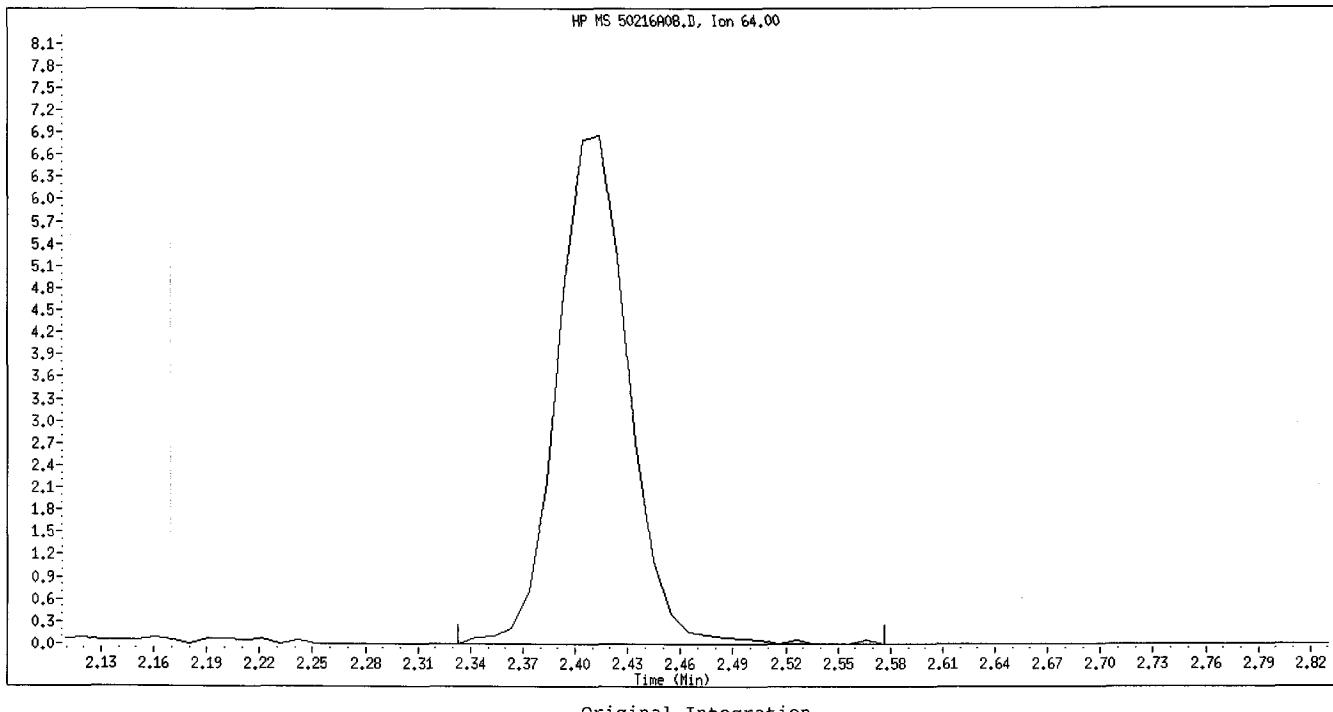
Instrument ID: msd5.i

Client ID: VSTD0100J

Compound Name: Chloroethane

CAS #: 75-00-3

Report Date: 02/17/2012

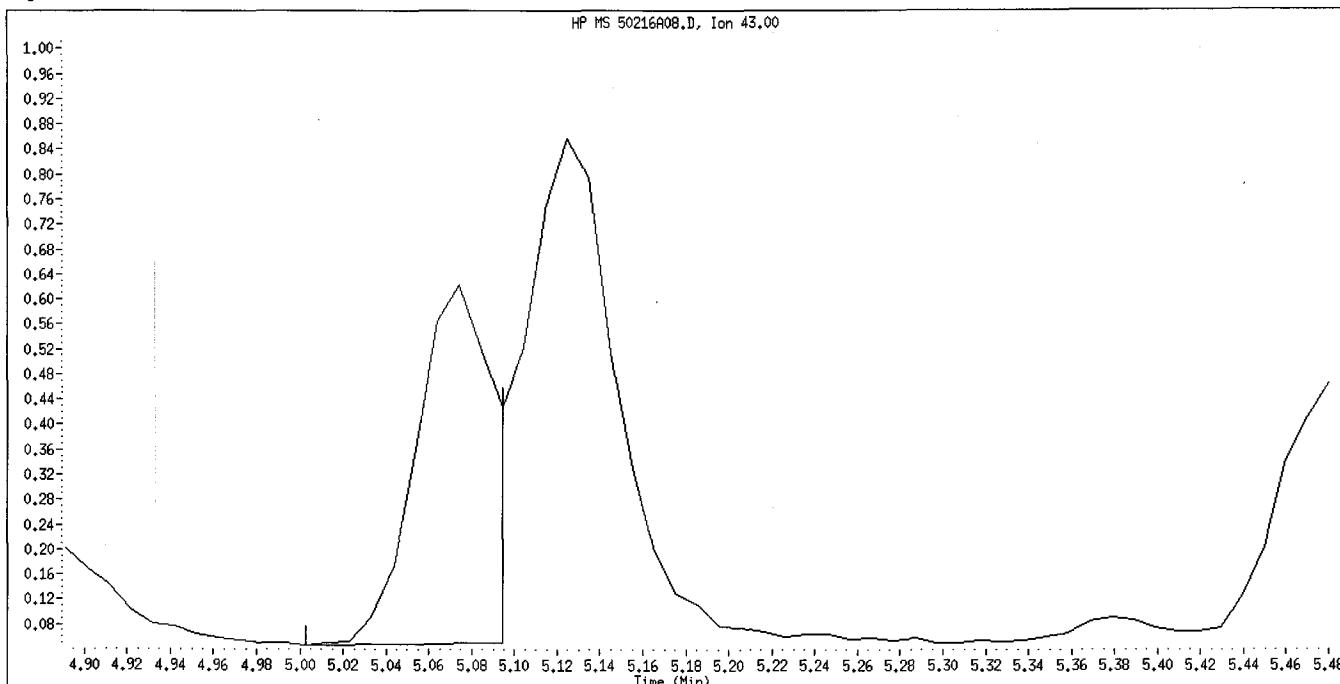


Manual Integration

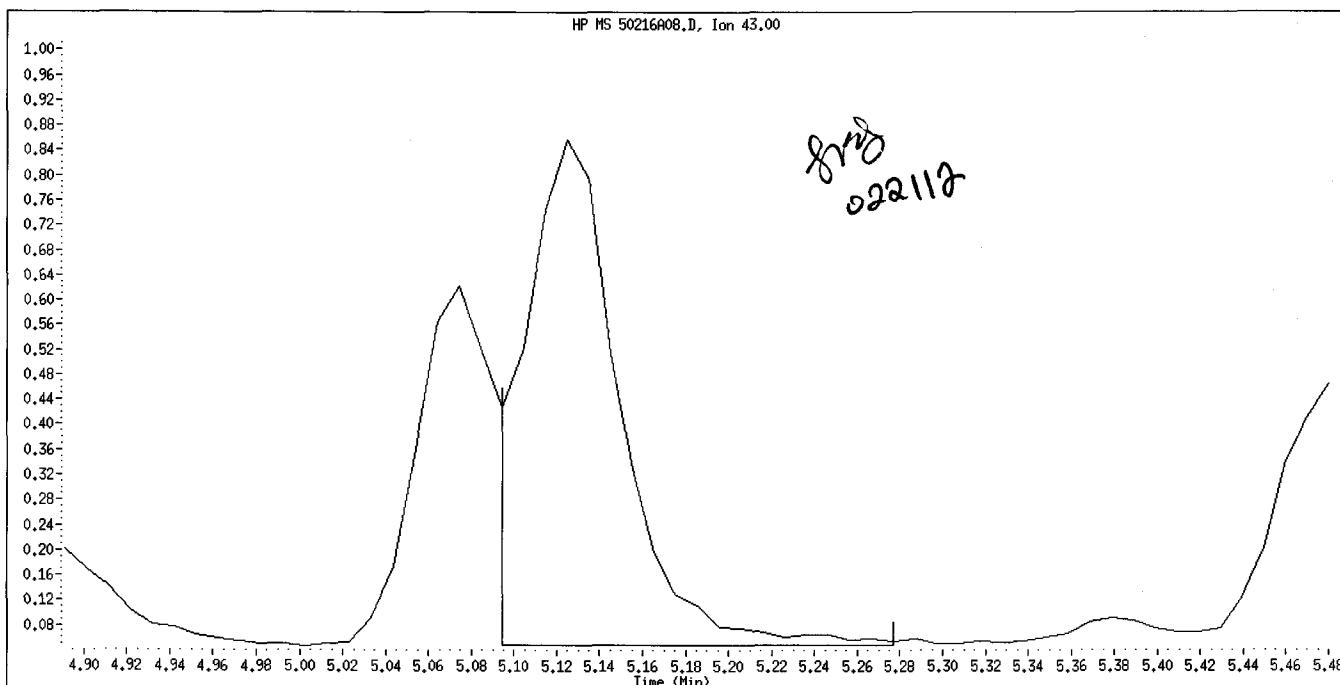
Manually Integrated By: LBS

Manual Integration Reason: Unknown

Data File Name: 50216A08.D
Inj. Date and Time: 16-FEB-2012 22:56
Instrument ID: msd5.i
Client ID: VSTD0100J
Compound Name: 2-Butanone
CAS #: 78-93-3
Report Date: 02/17/2012



Original Integration



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb1612.b\50216A04.D
 Lab Smp Id: VSTD0500J Client Smp ID: VSTD0500J
 Inj Date : 16-FEB-2012 17:51
 Operator : LBS Inst ID: msd5.i
 Smp Info : 5feb1612.b, VSTD0500J
 Misc Info :
 Comment :
 Method : \\organics\dd\chem\msd5.i\5feb1612.b\CLPLMW-5.m
 Meth Date : 21-Feb-2012 16:11 lbs Quant Type: ISTD
 Cal Date : 13-MAY-2011 13:16 Cal File: 50513a12.D
 Als bottle: 4 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: som1.2.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	ON-COL
1 Dichlorodifluoromethane	85	1.713	1.703 (0.263)		190907	50.0000	54.5804	
2 Chloromethane	50	1.906	1.896 (0.293)		193864	50.0000	53.2417(H)	
\$ 3 Vinyl Chloride-d3	65	1.997	1.987 (0.307)		158718	50.0000	46.9567(H)	
4 Vinyl Chloride	62	1.997	1.997 (0.307)		174415	50.0000	54.1792	
5 Bromomethane	94	2.343	2.332 (0.360)		143657	50.0000	55.9860	
\$ 6 Chloroethane-d5	69	2.393	2.383 (0.368)		159066	50.0000	48.3843	
7 Chloroethane	64	2.424	2.414 (0.373)		131373	50.0000	55.3263	
8 Trichlorodifluoromethane	101	2.688	2.688 (0.413)		284389	50.0000	53.7654	
\$ 9 1,1-Dichloroethene-d2	63	3.175	3.145 (0.488)		371754	50.0000	49.1040	
10 1,1-Dichloroethene	96	3.175	3.165 (0.488)		161659	50.0000	54.9839	
12 Acetone	43	3.216	3.205 (0.494)		79735	100.000	100.9902(H)	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.205	3.195 (0.493)		173797	50.0000	53.7955	
14 Carbon Disulfide	76	3.439	3.429 (0.529)		465260	50.0000	54.3698(H)	
15 Methyl Acetate	43	3.551	3.551 (0.546)		131509	50.0000	55.3288(H)	
16 Methylene Chloride	84	3.693	3.672 (0.568)		182773	50.0000	55.0957	
17 trans-1,2-Dichloroethene	96	3.967	3.957 (0.610)		171429	50.0000	54.9167	
18 Methyl tert-Butyl Ether	73	3.987	3.967 (0.613)		490507	50.0000	56.9349	
20 1,1-Dichloroethane	63	4.434	4.424 (0.682)		325758	50.0000	54.4631	
\$ 21 2-Butanone-d5	46	5.013	5.002 (0.771)		173220	100.000	105.5009	
22 2-Butanone	43	5.134	5.124 (0.789)		211976	100.000	118.7328(M)	SH for LBS 02/21/12
23 cis-1,2-Dichloroethene	96	5.073	5.063 (0.780)		185826	50.0000	54.6398	
25 Bromochloromethane	128	5.348	5.337 (0.822)		101036	50.0000	55.3955	
\$ 26 Chloroform-d	84	5.408	5.398 (0.831)		321339	50.0000	47.5017	
27 Chloroform	83	5.429	5.419 (0.835)		294302	50.0000	54.7332(H)	

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)
28 1,1,1-Trichloroethane	97	5.652	5.642 (0.571)	278938	50.0000	54.8621(H)	
29 Cyclohexane	56	5.713	5.703 (0.577)	360426	50.0000	51.5045(H)	
31 Carbon Tetrachloride	117	5.835	5.825 (0.589)	248218	50.0000	55.3934	
\$ 32 1,2-Dichloroethane-d4	65	6.007	5.997 (0.924)	203532	50.0000	46.5334	
\$ 33 Benzene-d6	84	6.018	6.018 (0.608)	677580	50.0000	48.2561	
34 Benzene	78	6.068	6.058 (0.613)	652162	50.0000	56.1000	
35 1,2-Dichloroethane	62	6.089	6.089 (0.936)	244210	50.0000	53.1864(M)	840 for CBs 02/11/12
* 36 1,4-Difluorobenzene	114	6.505	6.505 (1.000)	510804	50.0000		
37 Trichloroethene	95	6.820	6.809 (0.688)	181607	50.0000	55.7866	
\$ 38 1,2-Dichloropropane-d6	67	6.992	6.992 (0.706)	233960	50.0000	49.4218	
39 Methylcyclohexane	83	7.043	7.043 (0.711)	337920	50.0000	53.6542	
40 1,2-Dichloroproppane	63	7.104	7.094 (0.717)	192295	50.0000	56.0927	
\$ 41 1,4-Dioxane-d8	96	7.185	7.205 (1.105)	16379	1000.00	875.1393(H)	
42 1,4-Dioxane	88	7.256	7.246 (1.115)	19088	1000.00	1137.1168	
44 Bromodichloromethane	83	7.429	7.429 (0.750)	220113	50.0000	56.1050	
46 cis-1,3-Dichloropropene	75	7.987	7.977 (0.806)	300166	50.0000	56.4278(H)	
47 4-Methyl-2-pentanone	43	8.170	8.170 (0.825)	362648	100.000	115.2232(H)	
\$ 48 Toluene-d8	98	8.302	8.302 (0.838)	663156	50.0000	48.2196(H)	
49 Toluene	91	8.383	8.383 (0.846)	725298	50.0000	55.9335	
\$ 45 trans-1,3-Dichloropropene-d4	79	8.606	8.606 (0.869)	262248	50.0000	44.0907(H)	
50 trans-1,3-Dichloropropene	75	8.637	8.637 (0.872)	270598	50.0000	56.4155	
51 1,1,2-Trichloroethane	97	8.840	8.840 (0.892)	153348	50.0000	56.8157(H)	
52 Tetrachloroethene	164	8.982	8.972 (0.907)	167858	50.0000	55.5847	
\$ 54 2-Hexanone-d5	63	9.043	9.043 (0.913)	171745	100.000	106.2995(H)	
55 2-Hexanone	43	9.094	9.094 (0.918)	248545	100.000	116.2162(H)	
56 Dibromochloromethane	129	9.246	9.246 (0.933)	189434	50.0000	57.5802	
57 1,2-Dibromoethane	107	9.368	9.368 (0.946)	167422	50.0000	56.8936	
* 58 Chlorobenzene-d5	117	9.794	9.794 (1.000)	488489	50.0000		(H)
59 Chlorobenzene	112	9.824	9.824 (0.992)	517872	50.0000	55.5819	
61 Ethylbenzene	91	9.916	9.916 (1.001)	847581	50.0000	55.7677(H)	
62 m+p-Xylenes	106	10.028	10.028 (1.012)	337240	50.0000	56.3336	
63 o-Xylene	106	10.373	10.373 (1.047)	328279	50.0000	55.8904	
64 Styrene	104	10.383	10.383 (1.048)	558461	50.0000	57.1997	
65 Bromoform	173	10.555	10.555 (0.880)	123678	50.0000	57.4391	
66 Isopropylbenzene	105	10.677	10.677 (1.078)	855343	50.0000	55.5204	
\$ 67 1,1,2,2-Tetrachloroethane-d2	84	10.911	10.911 (1.101)	198027	50.0000	49.5839(H)	
68 1,1,2,2-Tetrachloroethane	83	10.931	10.931 (1.104)	182038	50.0000	56.7018	
79 1,3-Dichlorobenzene	146	11.662	11.662 (0.972)	449160	50.0000	55.1983(H)	
* 80 1,4-Dichlorobenzene-d4	152	11.713	11.713 (1.000)	293459	50.0000		(H)
81 1,4-Dichlorobenzene	146	11.733	11.733 (0.978)	463028	50.0000	55.1551(H)	
\$ 83 1,2-Dichlorobenzene-d4	152	11.997	11.997 (1.000)	299354	50.0000	47.5340	
84 1,2-Dichlorobenzene	146	12.007	12.007 (1.001)	437002	50.0000	55.5166	
85 1,2-Dibromo-3-chloropropane	75	12.555	12.555 (1.047)	33841	50.0000	56.7802	
86 1,2,4-Trichlorobenzene	180	13.114	13.114 (1.093)	332435	50.0000	54.7034(H)	
89 1,2,3-Trichlorobenzene	180	13.449	13.449 (1.121)	306630	50.0000	54.7339	

QC Flag Legend

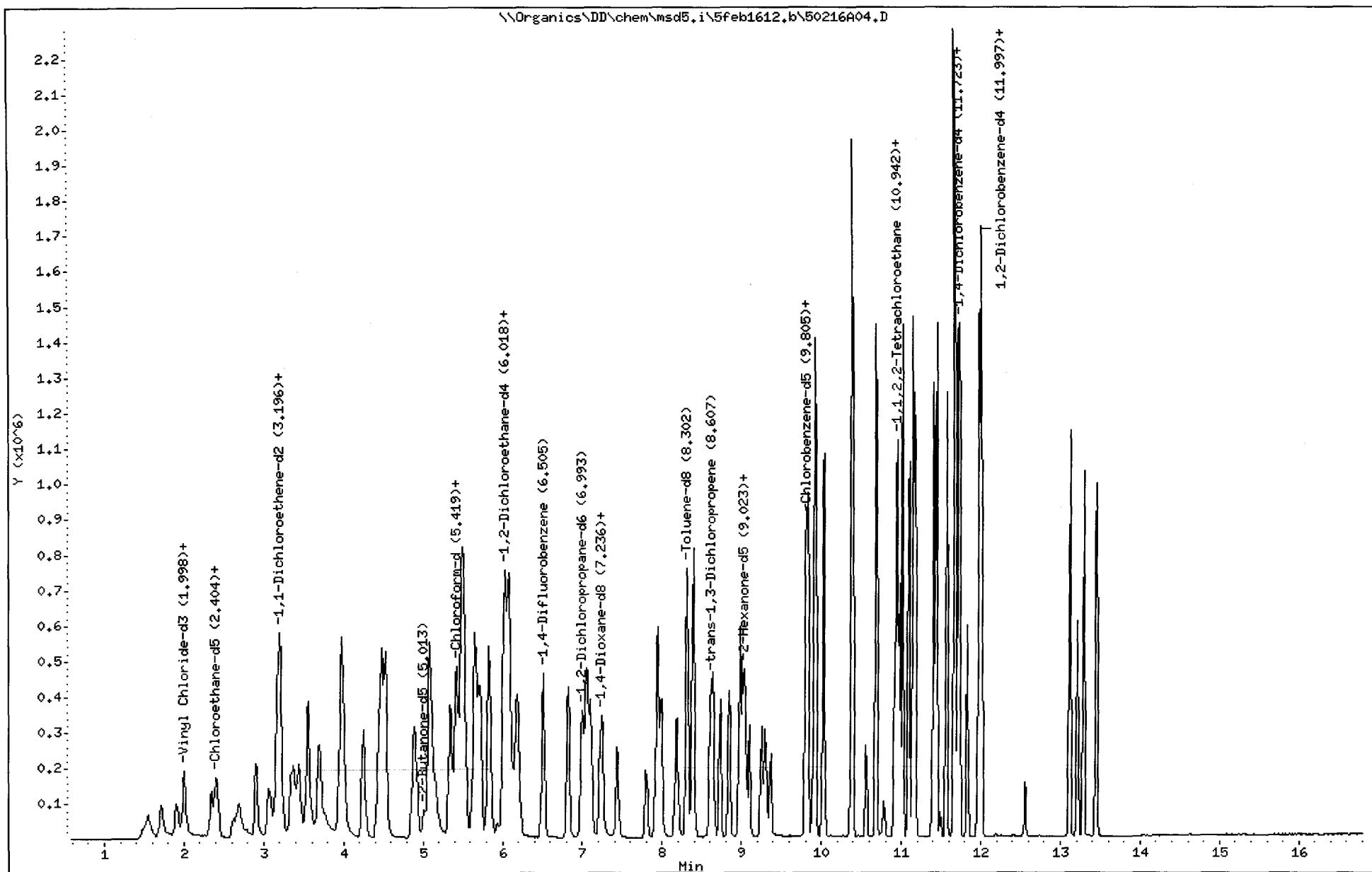
- M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: \\Organics\\DD\\chem\\msd5.i\\5feb1612.b\\50216A04.D
Date : 16-FEB-2012 17:51
Client ID: VSTD0500J
Sample Info: 5feb1612.b, VSTD0500J
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd5.i
Operator: LBS
Column diameter: 0.25

Page 3

Page 364 of 502



Data File: \\Organics\\DD\\chem\\msd5.i\\5feb1612.b\\50216A04.D

Time = 16:56:20.000 17.00E-03

Inj. Date and Time: 16-FEB-2012 17:51

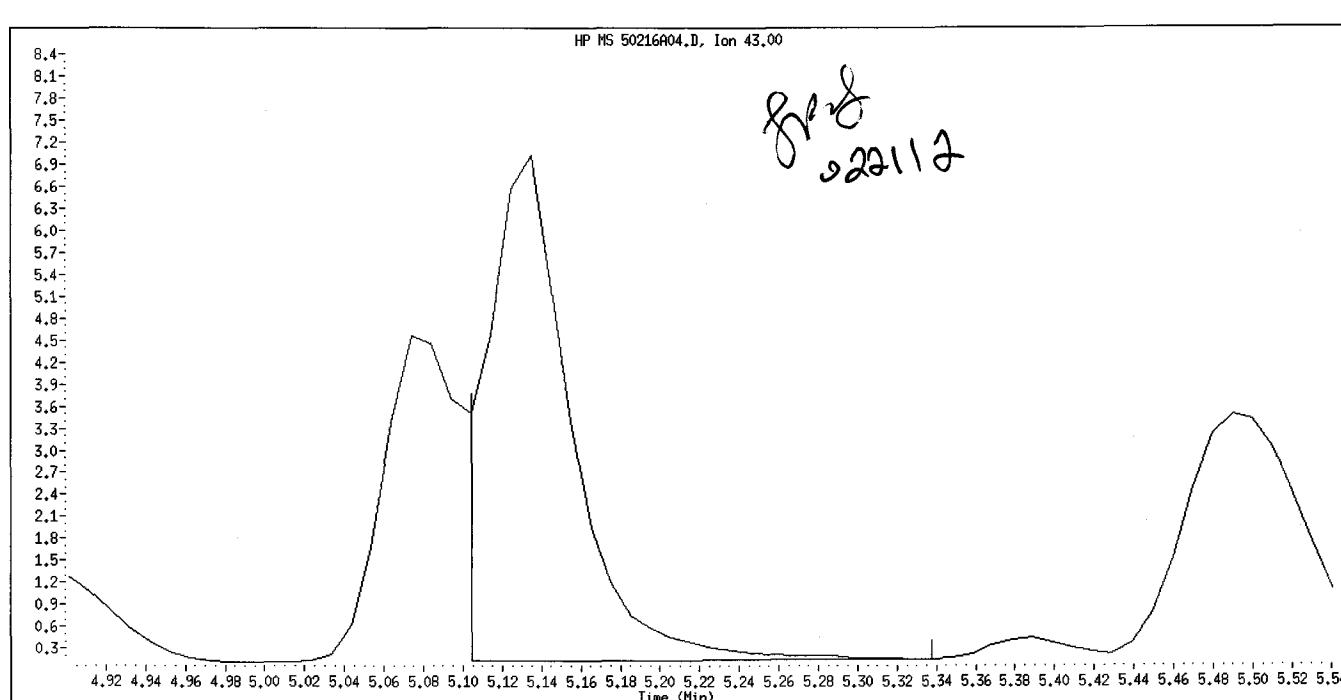
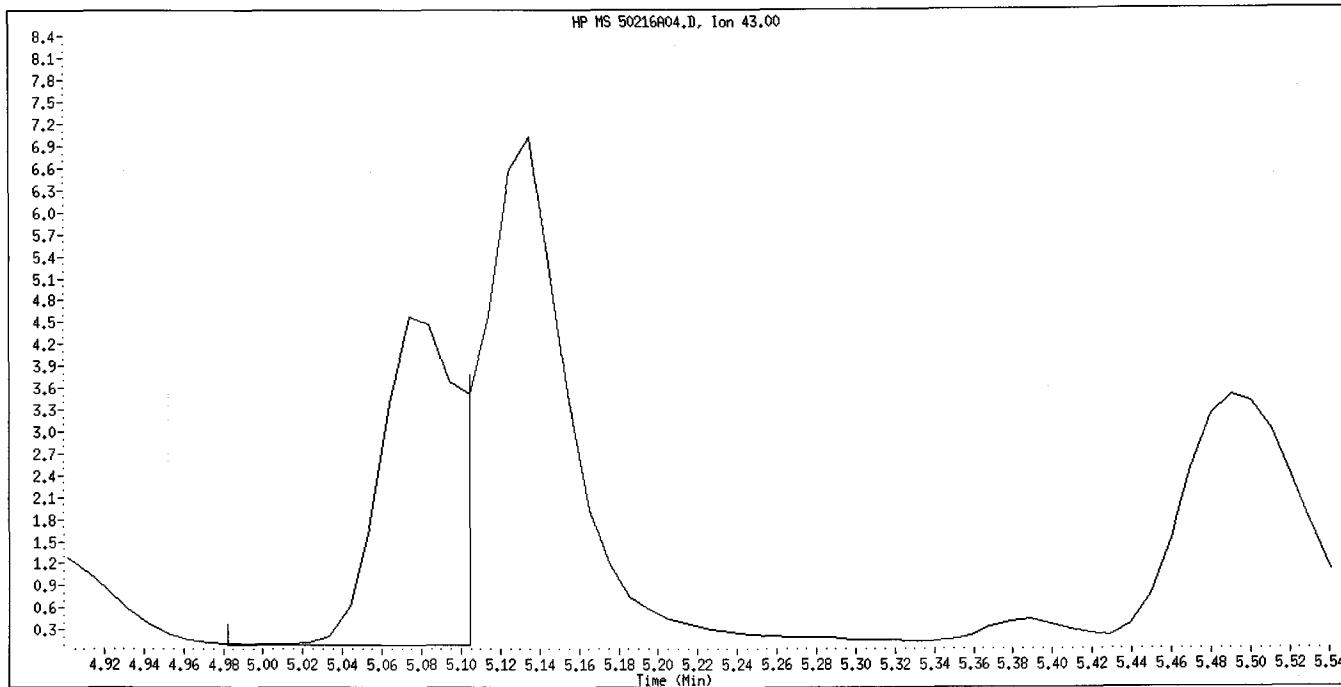
Instrument ID: msd5.i

Client ID: VSTD0500J

Compound Name: 2-Butanone

CAS #: 78-93-3

Report Date: 02/17/2012

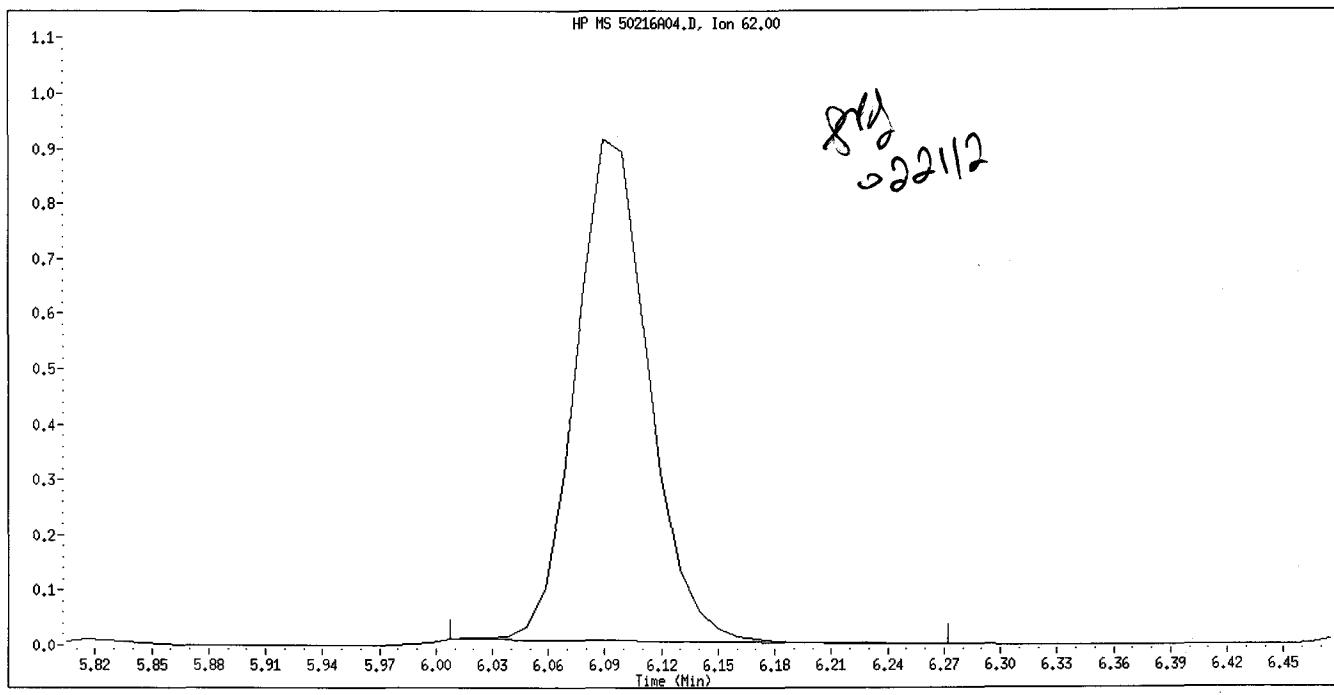
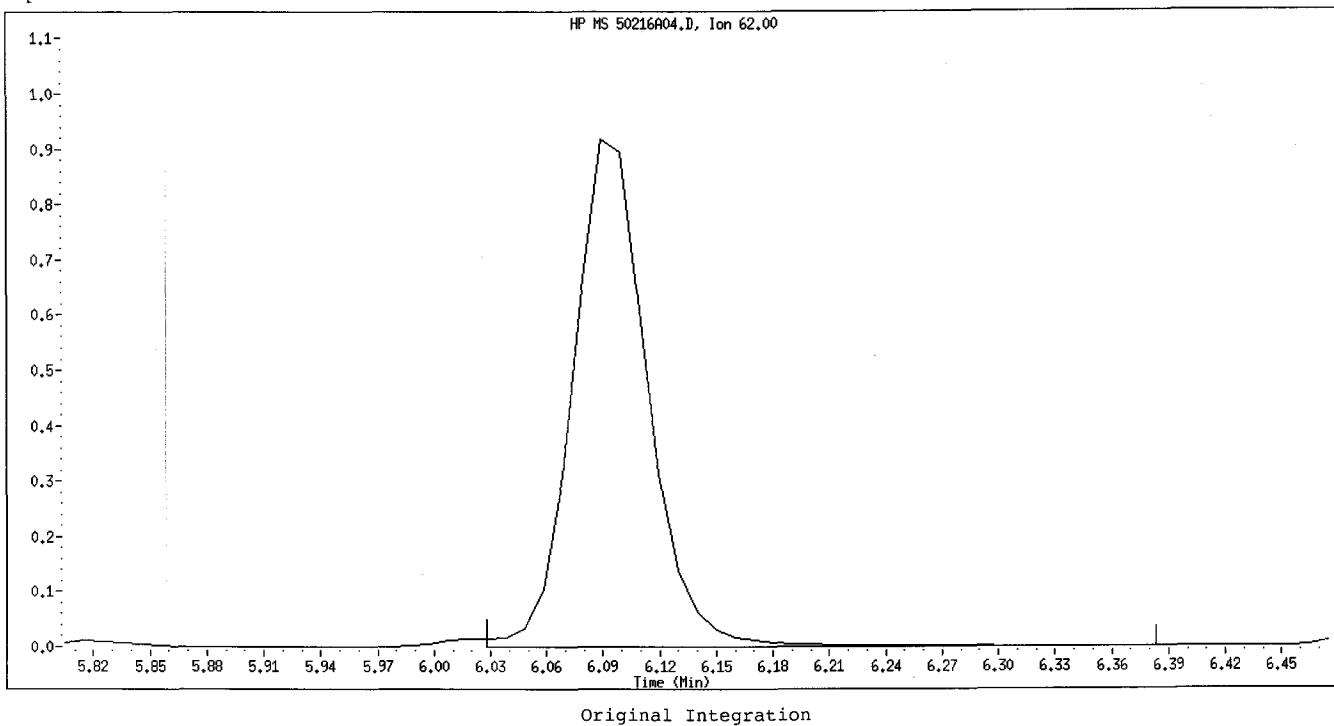


Manual Integration

Manually Integrated By: LBS

Manual Integration Reason: Unknown

Data File Name: 50216A04.D
Inj. Date and Time: 16-FEB-2012 17:51
Instrument ID: msd5.i
Client ID: VSTD0500J
Compound Name: 1,2-Dichloroethane
CAS #: 107-06-2
Report Date: 02/17/2012



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb1612.b\50216A03.D
Lab Smp Id: VSTD1000J Client Smp ID: VSTD1000J
Inj Date : 16-FEB-2012 17:28
Operator : LBS Inst ID: msd5.i
Smp Info : 5feb1612.b, VSTD1000J
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd5.i\5feb1612.b\CLPLMW-5.m
Meth Date : 21-Feb-2012 16:11 lbs Quant Type: ISTD
Cal Date : 16-FEB-2012 17:28 Cal File: 50216A03.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: som1.2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	MASS	AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	(ug/L)	ON-COL
1 Dichlorodifluoromethane	85	1.723	1.703 (0.265)	375039	100.000	117.8076
2 Chloromethane	50	1.906	1.896 (0.293)	404656	100.000	122.1019
\$ 3 Vinyl Chloride-d3	65	1.997	1.987 (0.307)	319295	100.000	103.7876
4 Vinyl Chloride	62	2.008	1.997 (0.309)	359872	100.000	122.8228
5 Bromomethane	94	2.343	2.332 (0.360)	269407	100.000	115.3569
\$ 6 Chloroethane-d5	69	2.393	2.383 (0.368)	283747	100.000	94.8288
7 Chlороethane	64	2.424	2.414 (0.373)	243610	100.000	112.7203
8 Trichlorofluoromethane	101	2.698	2.688 (0.415)	554720	100.000	115.2248
\$ 9 1,1-Dichloroethene-d2	63	3.185	3.145 (0.490)	701048	100.000	101.7398
10 1,1-Dichloroethene	96	3.195	3.165 (0.491)	307061	100.000	114.7473
12 Acetone	43	3.216	3.205 (0.494)	148526	200.000	206.6877
11 1,1,2-Trichloro-1,2,2-trifluo	101	3.206	3.195 (0.493)	335456	100.000	114.0830
14 Carbon Disulfide	76	3.439	3.429 (0.529)	898751	100.000	115.3939
15 Methyl Acetate	43	3.551	3.551 (0.546)	248063	100.000	114.6672
16 Methylene Chloride	84	3.703	3.672 (0.569)	345001	100.000	114.2636
17 trans-1,2-Dichloroethene	96	3.977	3.957 (0.611)	324170	100.000	114.0972(M)
18 Methyl tert-Butyl Ether	73	3.987	3.967 (0.613)	879334	100.000	112.1423
20 1,1-Dichloroethane	63	4.434	4.424 (0.682)	613076	100.000	112.6168(M)
\$ 21 2-Butanone-d5	46	5.013	5.002 (0.771)	309597	200.000	207.1746(M)
22 2-Butanone	43	5.134	5.124 (0.789)	372517	200.000	229.2514(MH)
23 cis-1,2-Dichloroethene	96	5.073	5.063 (0.780)	348124	100.000	112.4653(MH)
25 Bromochloromethane	128	5.348	5.337 (0.822)	183293	100.000	110.4144(M)
\$ 26 Chloroform-d	84	5.408	5.398 (0.831)	581346	100.000	94.4197(M)
27 Chloroform	83	5.429	5.419 (0.835)	549685	100.000	112.3190

SAP
for
LBS
02/21/12

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
28 1,1,1-Trichloroethane	97	5.662	5.642 (0.578)	550031	100.000	115.6087	
29 Cyclohexane	56	5.713	5.703 (0.583)	723356	100.000	110.4639	
31 Carbon Tetrachloride	117	5.845	5.825 (0.596)	492801	100.000	117.5263	
\$ 32 1,2-Dichloroethane-d4	65	6.007	5.997 (0.924)	363177	100.000	91.2289(H)	
\$ 33 Benzene-d6	84	6.028	6.018 (0.615)	1234621	100.000	93.9647	
34 Benzene	78	6.068	6.058 (0.619)	1207320	100.000	110.9862	
35 1,2-Dichloroethane	62	6.099	6.089 (0.938)	466828	100.000	111.7060	
* 36 1,4-Difluorobenzene	114	6.505	6.505 (1.000)	464914	50.0000		
37 Trichloroethene	95	6.820	6.809 (0.696)	335873	100.000	110.2584	
\$ 38 1,2-Dichloropropane-d6	67	6.992	6.992 (0.713)	421630	100.000	95.1804	
39 Methylcyclohexane	83	7.053	7.043 (0.719)	659692	100.000	111.9360	
40 1,2-Dichloropropane	63	7.104	7.094 (0.725)	355830	100.000	110.9227	
\$ 41 1,4-Dioxane-d8	96	7.195	7.205 (1.106)	27026	2000.00	1586.5482	
42 1,4-Dioxane	88	7.256	7.246 (1.115)	30188	2000.00	1975.8805	
44 Bromodichloromethane	83	7.429	7.429 (0.758)	422295	100.000	115.0300	
46 cis-1,3-Dichloropropene	75	7.987	7.977 (0.815)	552336	100.000	110.9620(H)	
47 4-Methyl-2-pentanone	43	8.180	8.170 (0.834)	656192	200.000	222.8047	
\$ 48 Toluene-d8	98	8.312	8.302 (0.848)	1201967	100.000	93.3983	
49 Toluene	91	8.383	8.383 (0.855)	1343441	100.000	110.7167	
\$ 45 trans-1,3-Dichloropropene-d4	79	8.606	8.606 (0.878)	475335	100.000	77.3349	
50 trans-1,3-Dichloropropene	75	8.637	8.637 (0.881)	504517	100.000	112.4058	
51 1,1,2-Trichloroethane	97	8.840	8.840 (0.902)	281096	100.000	111.2972	
52 Tetrachloroethene	164	8.982	8.972 (0.916)	313335	100.000	110.8820	
\$ 54 2-Hexanone-d5	63	9.043	9.043 (0.922)	302023	200.000	199.7680	
55 2-Hexanone	43	9.094	9.094 (0.928)	446445	200.000	223.0840	
56 Dibromochloromethane	129	9.246	9.246 (0.943)	361481	100.000	117.4194	
57 1,2-Dibromoethane	107	9.368	9.368 (0.955)	304838	100.000	110.7029	
* 58 Chlorobenzene-d5	117	9.804	9.794 (1.000)	457105	50.0000		
59 Chlorobenzene	112	9.825	9.824 (1.002)	970605	100.000	111.3250	
61 Ethylbenzene	91	9.916	9.916 (1.011)	1596399	100.000	112.2488	
62 m+p-Xylenes	106	10.028	10.028 (1.023)	632314	100.000	112.8757	
63 o-Xylene	106	10.373	10.373 (1.058)	617203	100.000	112.2953	
64 Styrene	104	10.383	10.383 (1.059)	1034345	100.000	113.2153	
65 Bromoform	173	10.555	10.555 (0.901)	242289	100.000	120.2521	
66 Isopropylbenzene	105	10.677	10.677 (1.089)	1650827	100.000	114.5125	
\$ 67 1,1,2,2-Tetrachloroethane-d2	84	10.911	10.911 (1.113)	356213	100.000	95.3157	
68 1,1,2,2-Tetrachloroethane	83	10.931	10.931 (1.115)	331054	100.000	110.1977	
79 1,3-Dichlorobenzene	146	11.662	11.662 (0.996)	846361	100.000	111.1538	
* 80 1,4-Dichlorobenzene-d4	152	11.713	11.713 (1.000)	274602	50.0000		
81 1,4-Dichlorobenzene	146	11.733	11.733 (1.002)	875480	100.000	111.4471	
\$ 83 1,2-Dichlorobenzene-d4	152	11.997	11.997 (1.024)	550624	100.000	93.4369	
84 1,2-Dichlorobenzene	146	12.007	12.007 (1.025)	823434	100.000	111.7923	
85 1,2-Dibromo-3-chloropropane	75	12.555	12.555 (1.072)	64792	100.000	116.1768	
86 1,2,4-Trichlorobenzene	180	13.114	13.114 (1.120)	674664	100.000	118.6421	
89 1,2,3-Trichlorobenzene	180	13.449	13.449 (1.148)	628405	100.000	119.8741	

QC Flag Legend

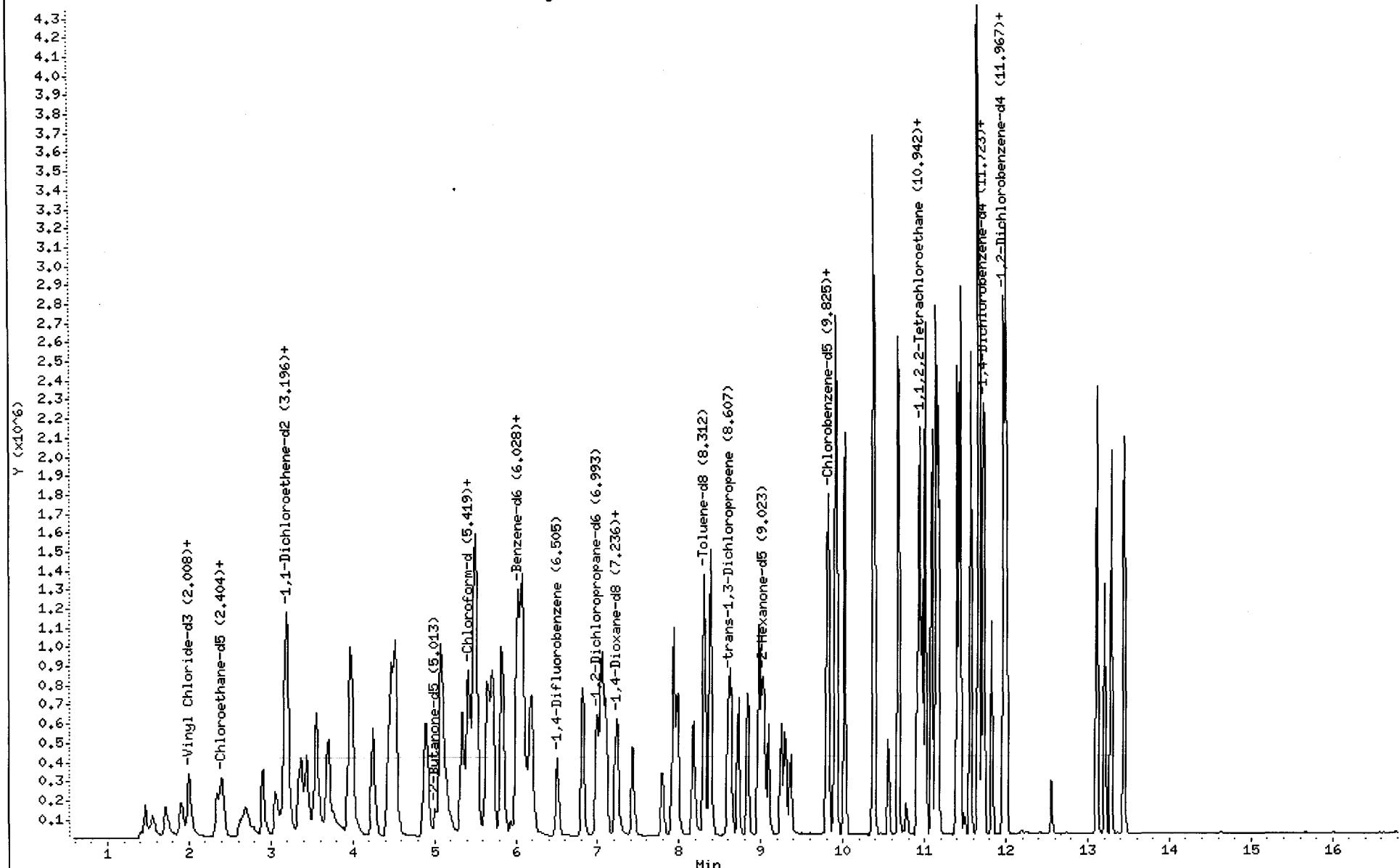
M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: \\Organics\DD\chem\msd5.i\5feb1612.b\50216A03.D
Date : 16-FEB-2012 17:28
Client ID: VSTD1000J
Sample Info: 5feb1612.b, VSTD1000J
Purge Volume: 5.0
Column phase: DB-624

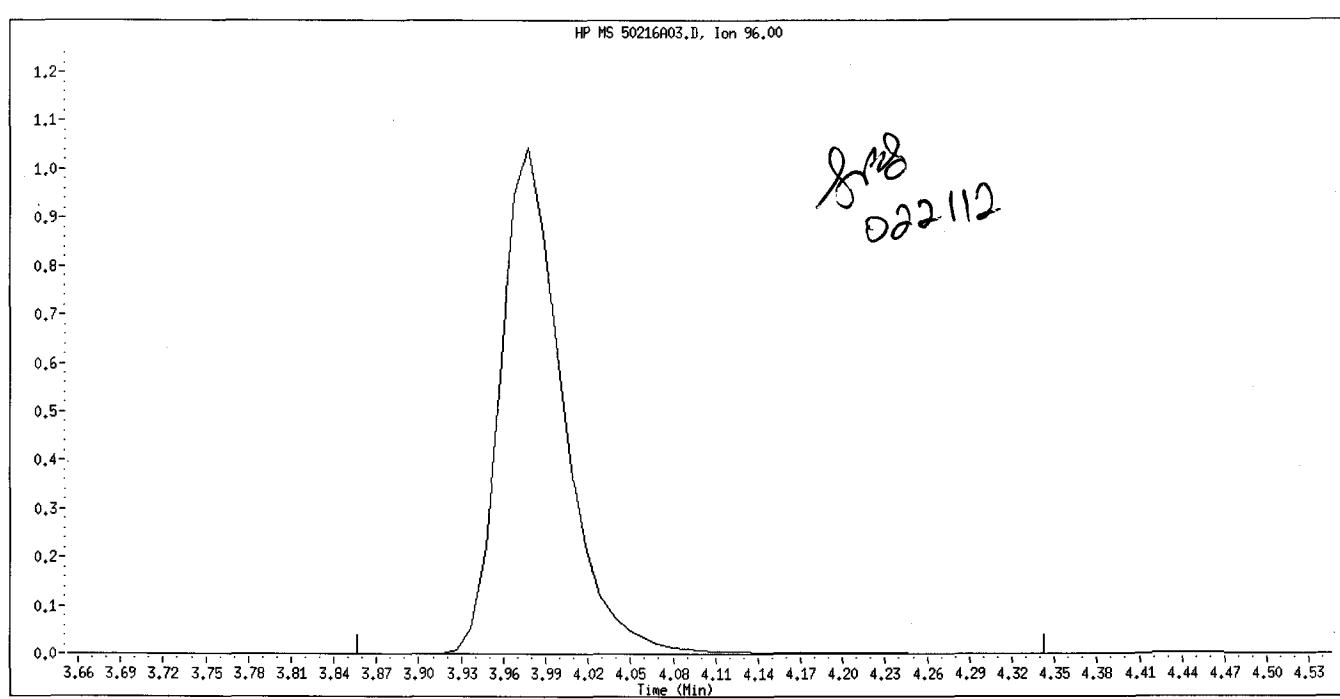
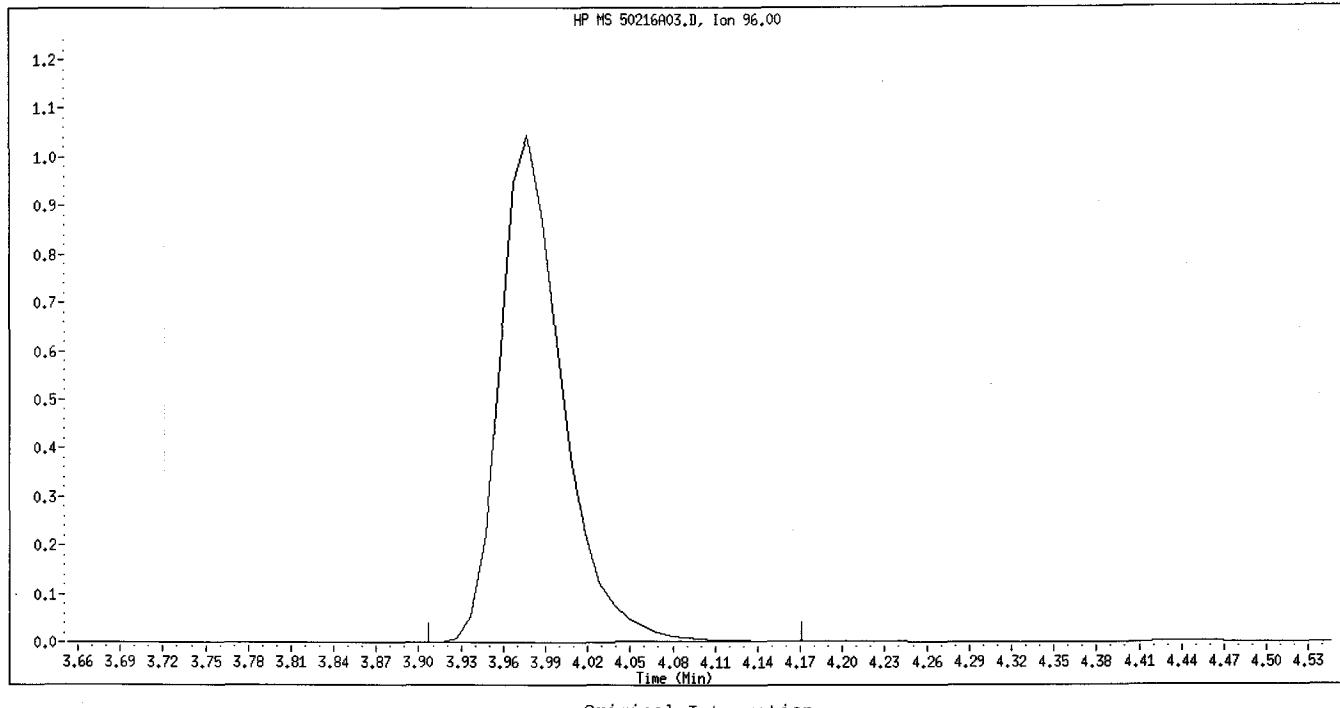
Page 3

Instrument: msd5.i
Operator: LBS
Column diameter: 0.25

\\Organics\DD\chem\msd5.i\5feb1612.b\50216A03.D



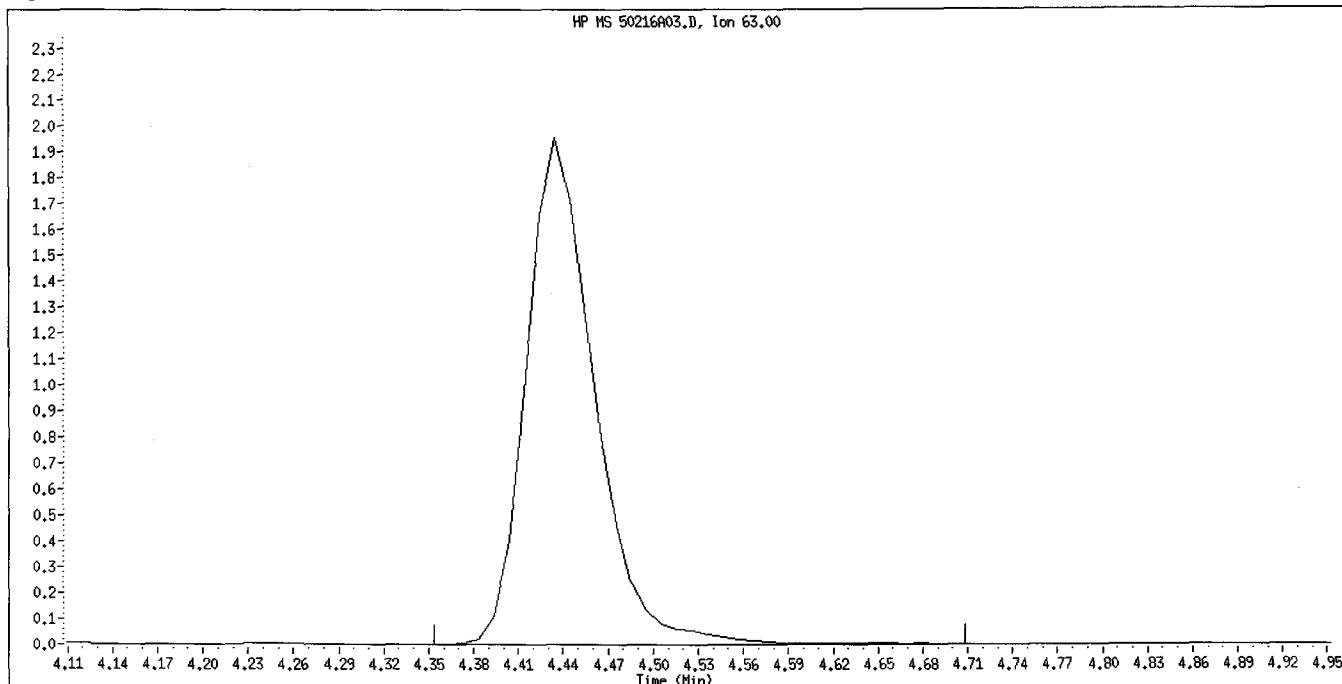
Inj. Date and Time: 16-FEB-2012 17:28
Instrument ID: msd5.i
Client ID: VSTD1000J
Compound Name: trans-1,2-Dichloroethene
CAS #: 156-60-5
Report Date: 02/17/2012



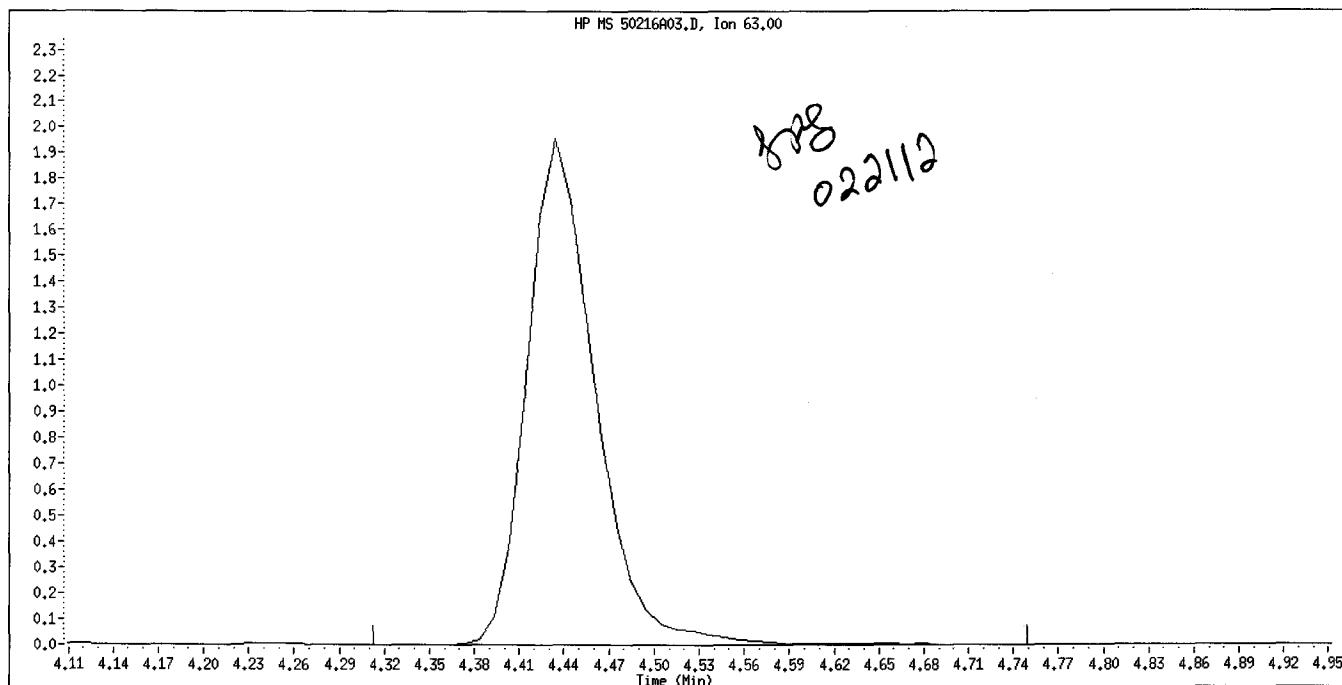
Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

Data File Name: 50216A03.D
Inj. Date and Time: 16-FEB-2012 17:28
Instrument ID: msd5.i
Client ID: VSTD1000J
Compound Name: 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 02/21/2012



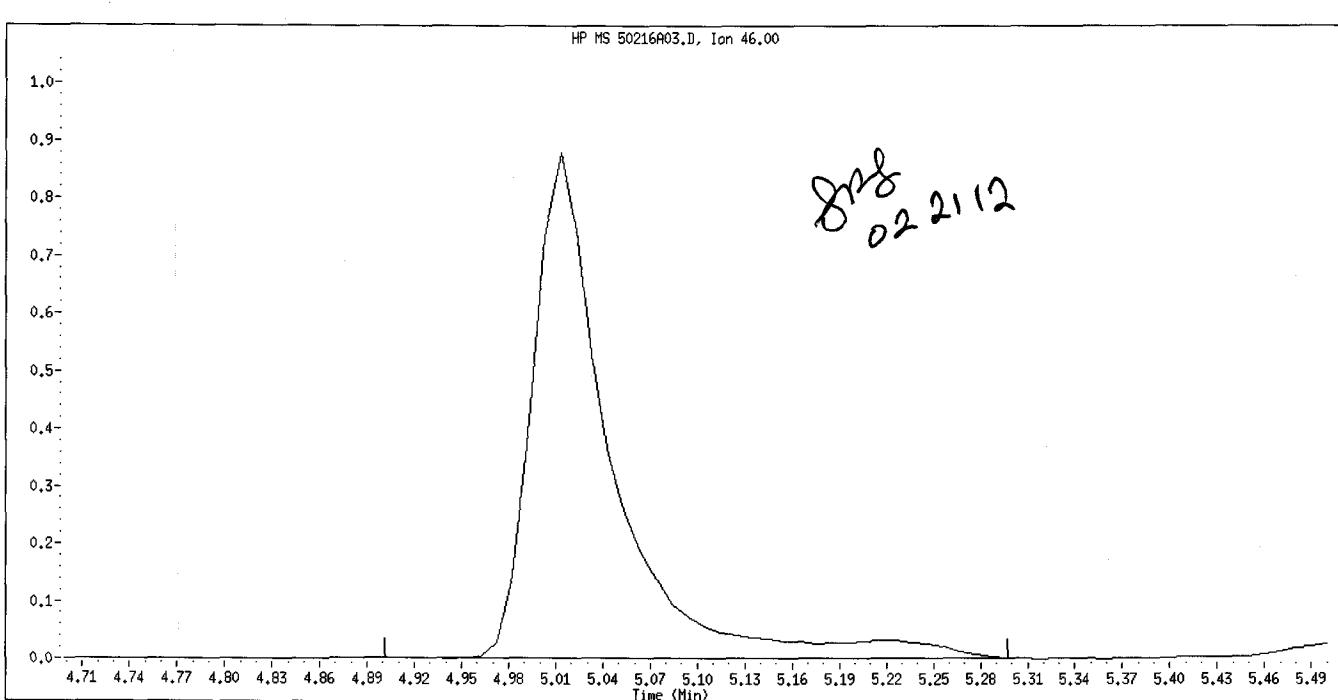
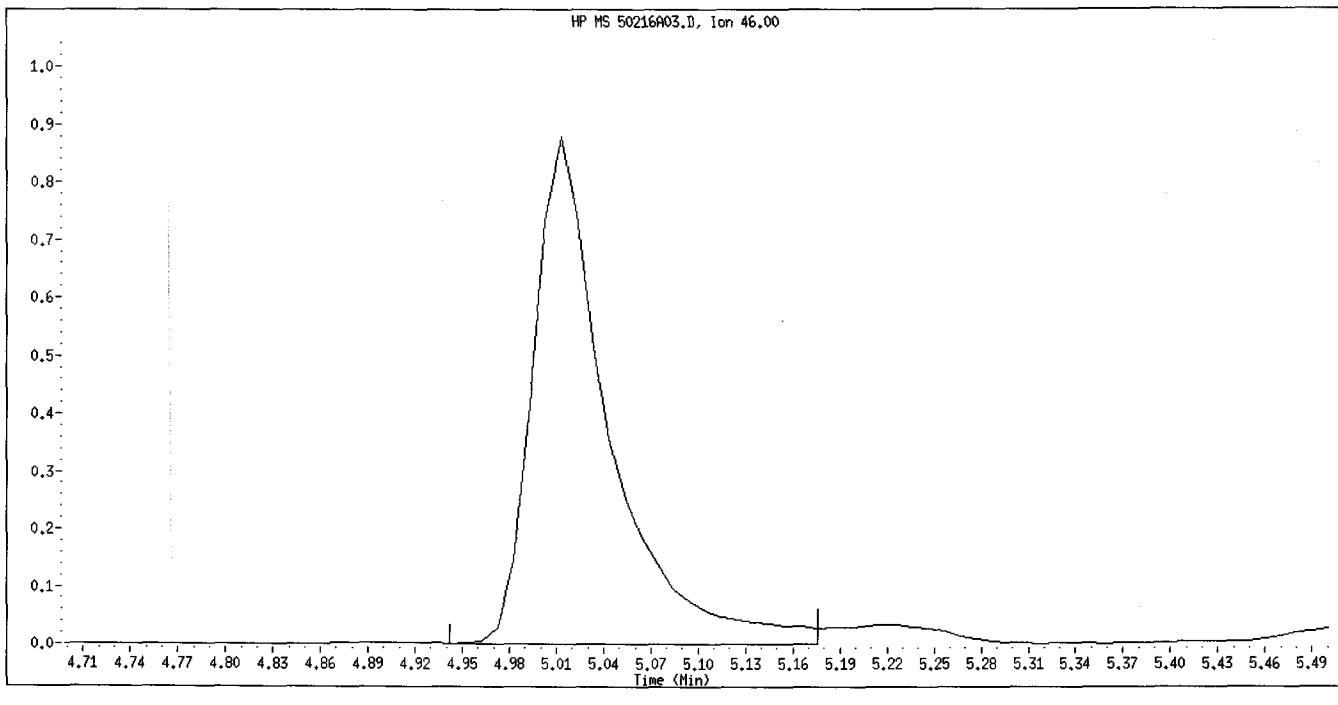
Original Integration



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

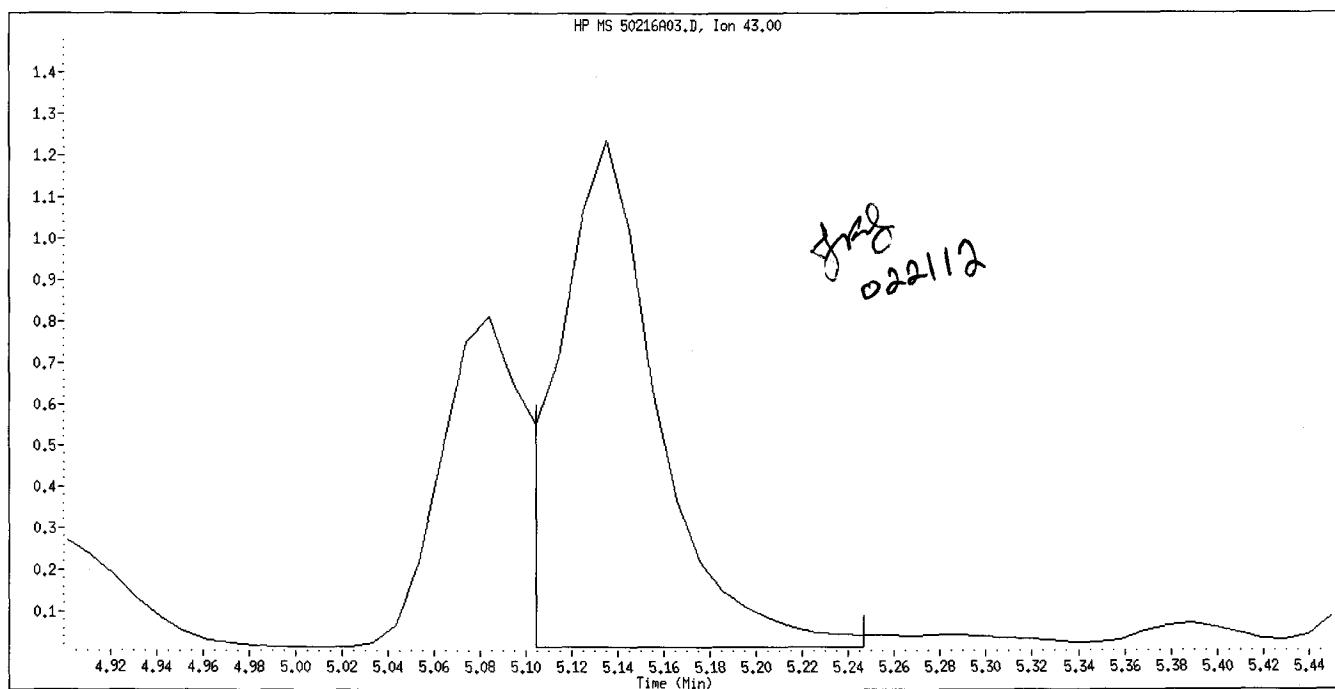
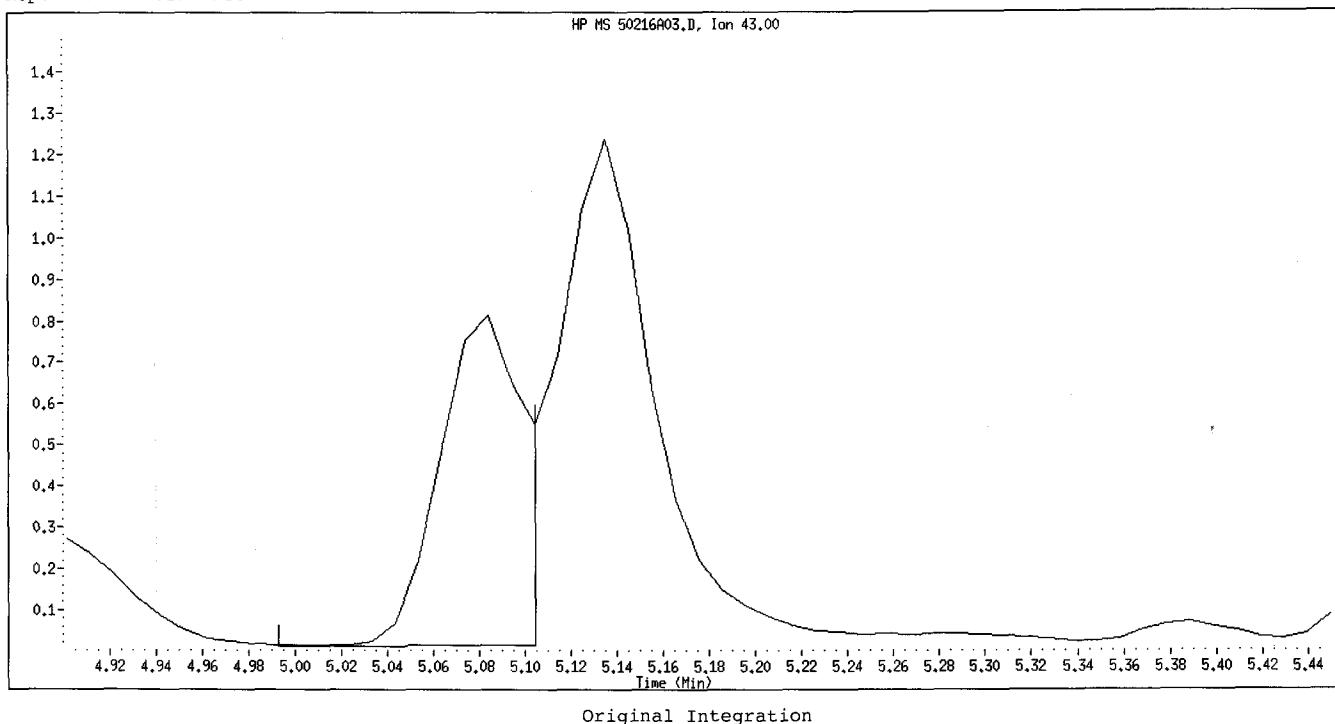
Data File Name: 50216A03.D
Inj. Date and Time: 16-FEB-2012 17:28
Instrument ID: msd5.i
Client ID: VSTD1000J
Compound Name: 2-Butanone-d5
CAS #: 24313-50-6
Report Date: 02/17/2012



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

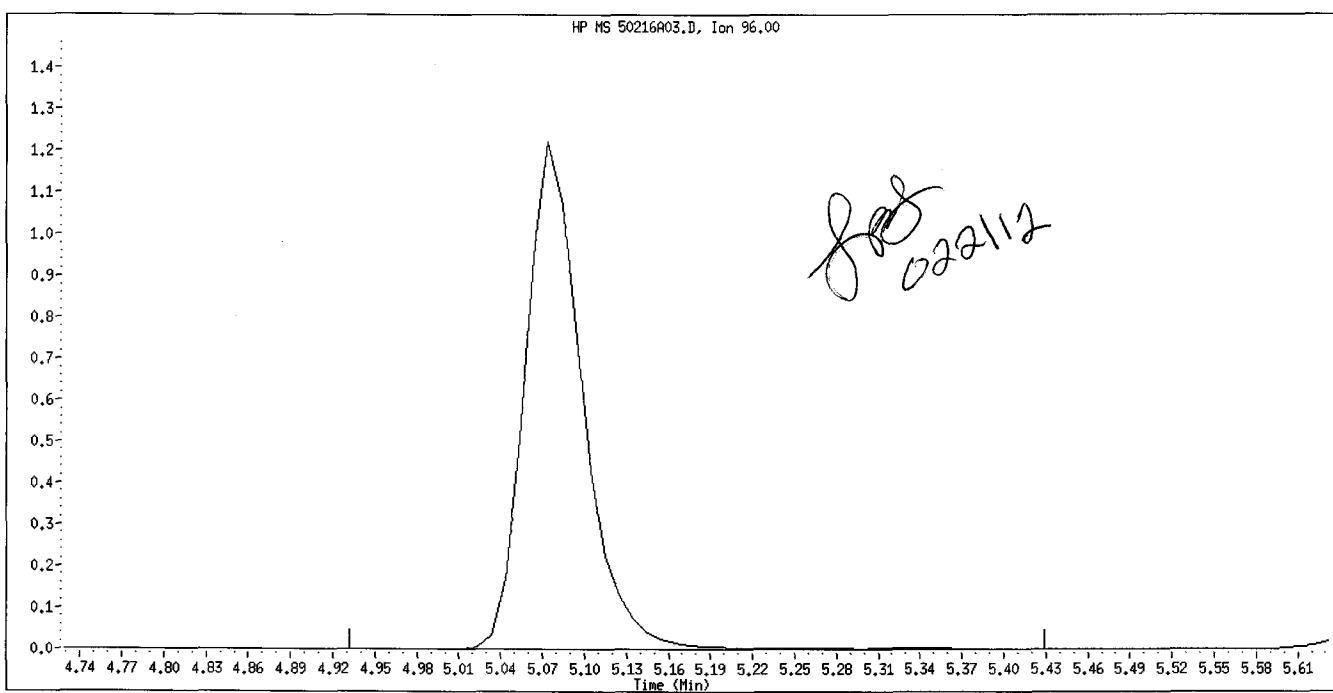
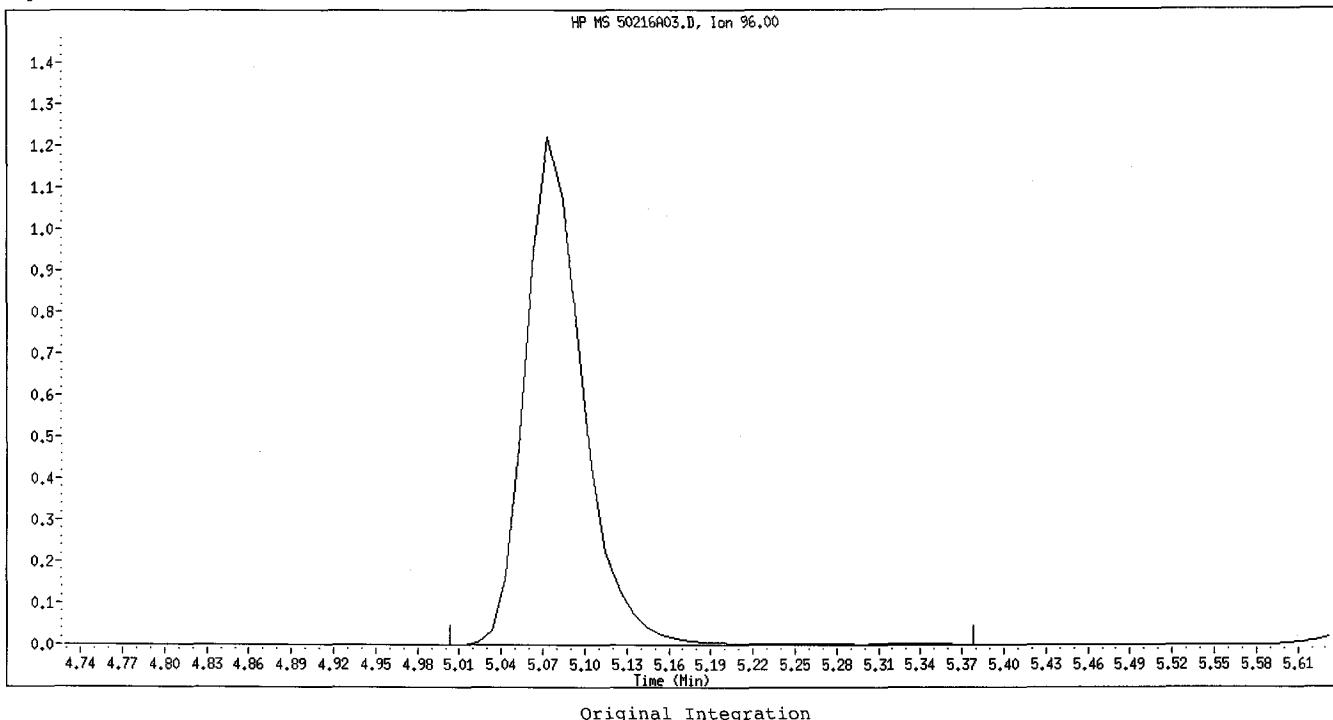
Data File Name: 50216A03.D
Inj. Date and Time: 16-FEB-2012 17:28
Instrument ID: msd5.i
Client ID: VSTD1000J
Compound Name: 2-Butanone
CAS #: 78-93-3
Report Date: 02/17/2012



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

Data File Name: 50216A03.D
Inj. Date and Time: 16-FEB-2012 17:28
Instrument ID: msd5.i
Client ID: VSTD1000J
Compound Name: cis-1,2-Dichloroethene
CAS #: 156-59-2
Report Date: 02/21/2012



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

Data File Name: 50216A03.D

Inj. Date and Time: 16-FEB-2012 17:28

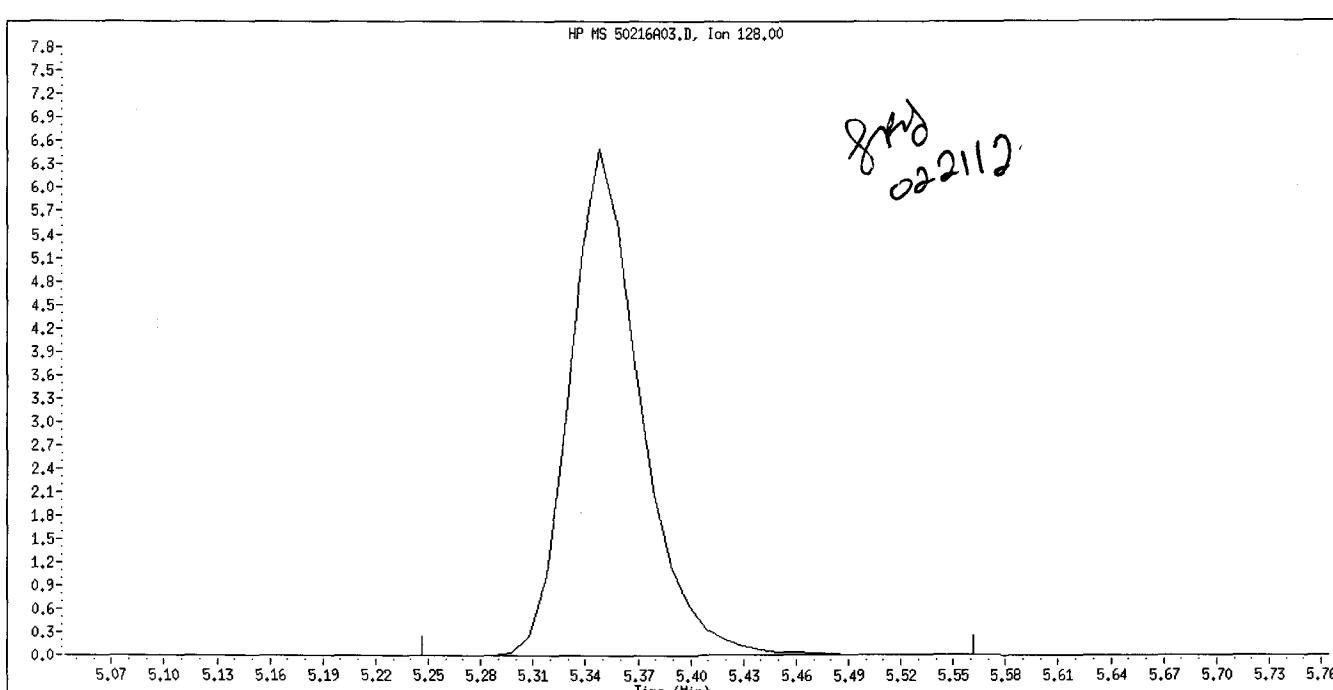
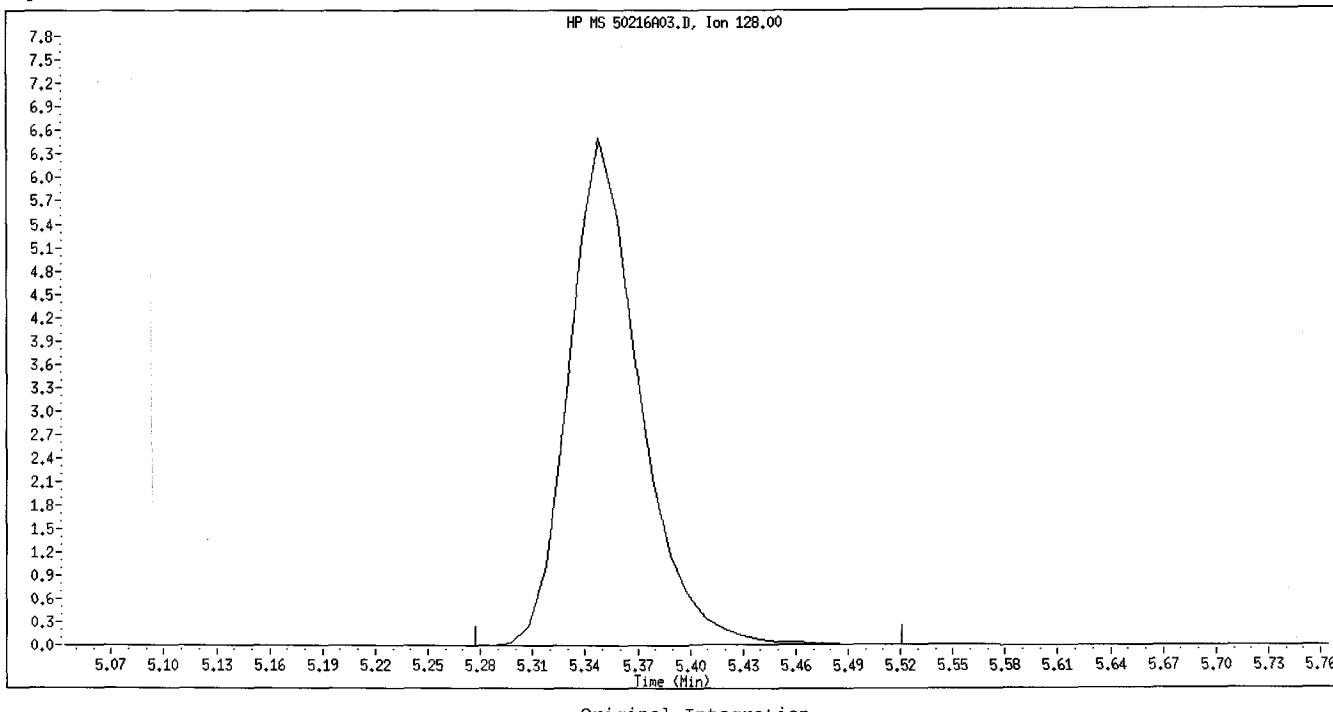
Instrument ID: msd5.i

Client ID: VSTD1000J

Compound Name: Bromochloromethane

CAS #: 74-97-5

Report Date: 02/17/2012

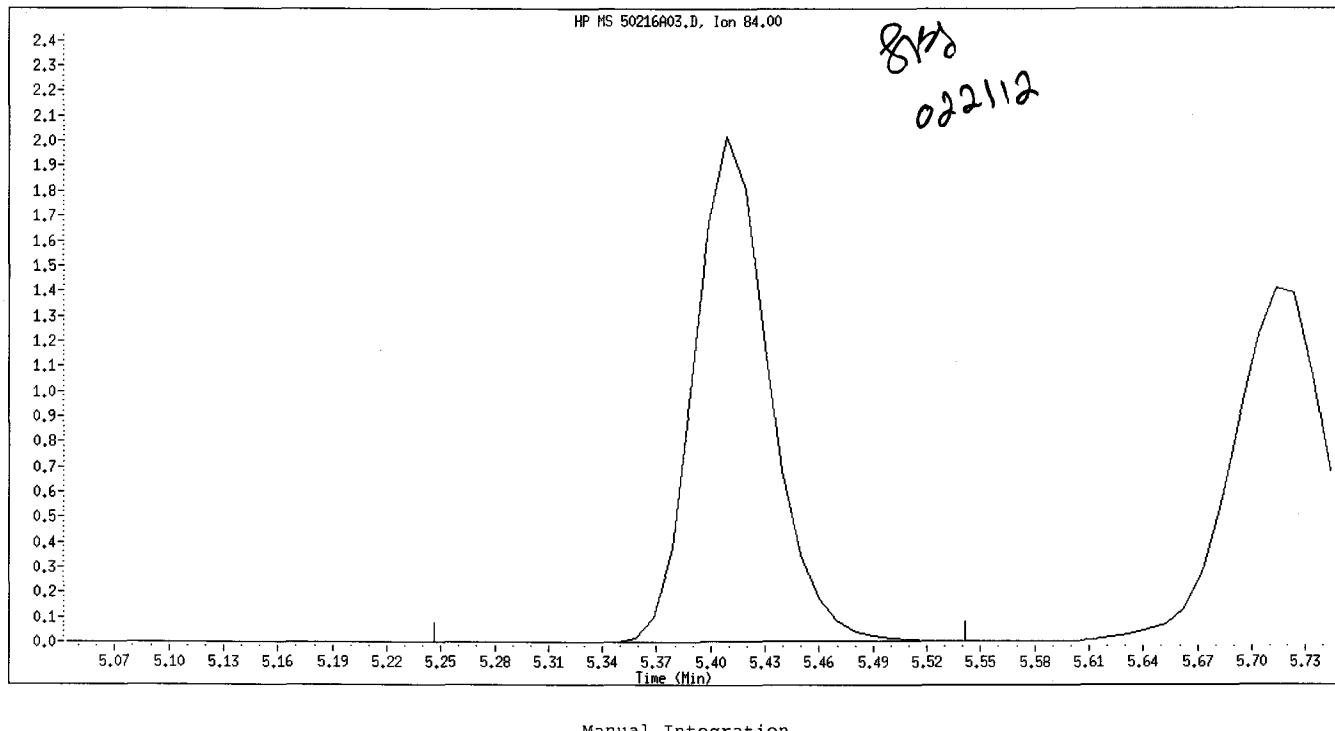
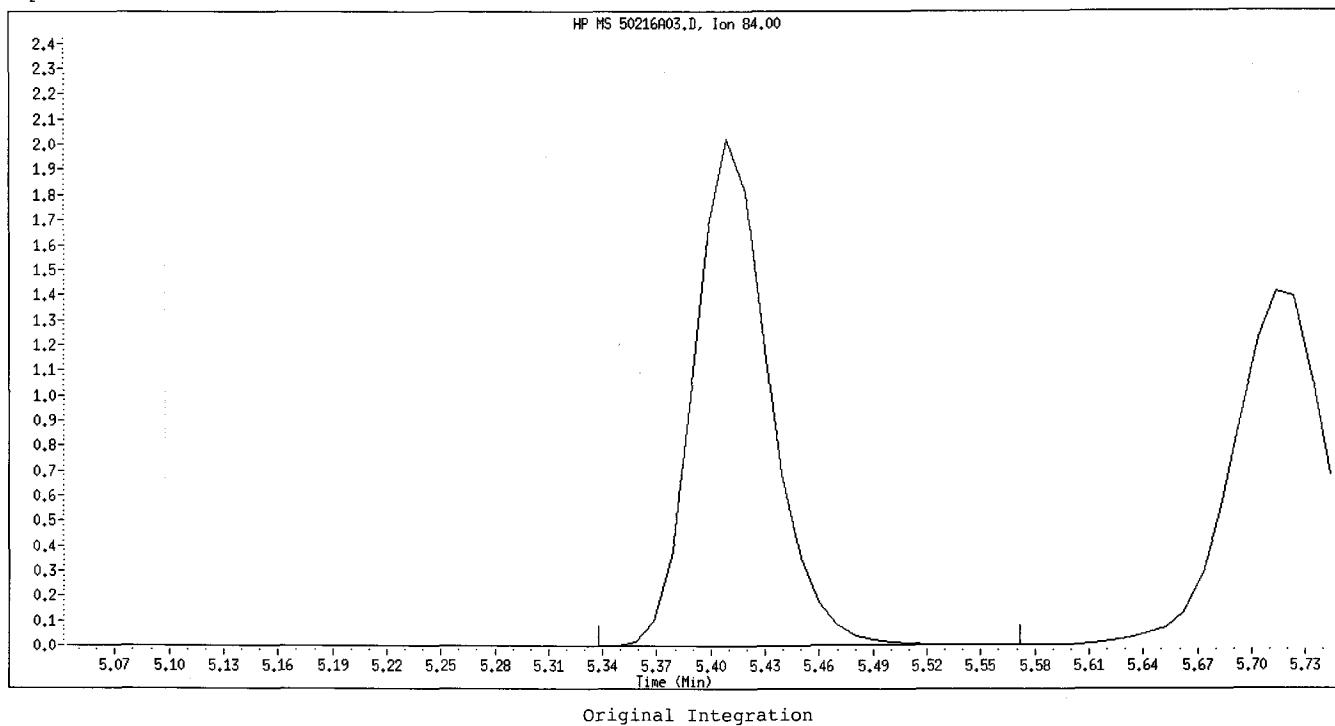


Manual Integration

Manually Integrated By: LBS

Manual Integration Reason: Unknown

Data File Name: 50216A03.D
Inj. Date and Time: 16-FEB-2012 17:28
Instrument ID: msd5.i
Client ID: VSTD1000J
Compound Name: Chloroform-d
CAS #: 865-49-6
Report Date: 02/17/2012



Manually Integrated By: LBS
Manual Integration Reason: Unknown

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb1612.b\50216A02.D
 Lab Smp Id: VSTD2000J Client Smp ID: VSTD2000J
 Inj Date : 16-FEB-2012 16:42
 Operator : LBS Inst ID: msd5.i
 Smp Info : 5feb1612.b, VSTD2000J
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd5.i\5feb1612.b\CLPLMW-5.m
 Meth Date : 21-Feb-2012 16:11 lbs Quant Type: ISTD
 Cal Date : 16-FEB-2012 16:42 Cal File: 50216A02.D
 Als bottle: 2 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: som1.2.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	MASS	AMOUNTS					(ug/L)
		RT	EXP RT	REL RT	RESPONSE	(ug/L)	
1 Dichlorodifluoromethane	85	1.713	1.703 (0.263)	733527	200.000	225.6909(A)	
2 Chloromethane	50	1.906	1.896 (0.293)	721832	200.000	213.3407(A)	
\$ 3 Vinyl Chloride-d3	65	1.997	1.987 (0.307)	596381	200.000	189.8796	
4 Vinyl Chloride	62	2.008	1.997 (0.309)	634893	200.000	212.2425(A)	
5 Bromomethane	94	2.343	2.332 (0.360)	500223	200.000	209.7971(A)	
\$ 6 Chloroethane-d5	69	2.393	2.383 (0.368)	542398	200.000	177.5531	
7 Chloroethane	64	2.424	2.414 (0.373)	442706	200.000	200.6428(A)	
8 Trichlorodifluoromethane	101	2.698	2.688 (0.415)	1069788	200.000	217.6562(A)	
\$ 9 1,1-Dichloroethene-d2	63	3.185	3.145 (0.490)	1367891	200.000	194.4445	
10 1,1-Dichloroethene	96	3.195	3.165 (0.491)	568489	200.000	208.0850(A)	
12 Acetone	43	3.226	3.205 (0.496)	305978	400.000	417.0646(A)	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.206	3.195 (0.493)	634469	200.000	211.3473(A)	
14 Carbon Disulfide	76	3.439	3.429 (0.529)	1697656	200.000	213.4982(A)	
15 Methyl Acetate	43	3.551	3.551 (0.546)	489657	200.000	221.7024(A)	
16 Methylene Chloride	84	3.693	3.672 (0.568)	644265	200.000	209.0033(A)	
17 trans-1,2-Dichloroethene	96	3.967	3.957 (0.610)	594526	200.000	204.9624(A)	
18 Methyl tert-Butyl Ether	73	3.987	3.967 (0.613)	1745295	200.000	218.0145(A)	
20 1,1-Dichloroethane	63	4.434	4.424 (0.682)	1161918	200.000	209.0574(A)	
\$ 21 2-Butanone-d5	46	5.013	5.002 (0.771)	671984	400.000	440.4532(A)	
22 2-Butanone	43	5.134	5.124 (0.789)	799895	400.000	482.1697(AM)	84 for
23 cis-1,2-Dichloroethene	96	5.073	5.063 (0.780)	649237	200.000	209.6296(A)	CB5
25 Bromochloromethane	128	5.348	5.337 (0.822)	353664	200.000	208.6757(A)	04/21/11 L
\$ 26 Chloroform-d	84	5.408	5.398 (0.831)	1168958	200.000	185.9635	
27 Chloroform	83	5.429	5.419 (0.835)	1046107	200.000	209.3710(A)	

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
28 1,1,1-Trichloroethane		97	5.662	5.642 (0.578)	1052509	200.000	217.3478(A)
29 Cyclohexane		56	5.713	5.703 (0.583)	1332673	200.000	199.9483
31 Carbon Tetrachloride		117	5.845	5.825 (0.596)	957288	200.000	224.3014(A)
\$ 32 1,2-Dichloroethane-d4		65	6.007	5.997 (0.924)	751435	200.000	184.8870
\$ 33 Benzene-d6		84	6.028	6.018 (0.615)	2418831	200.000	180.8683
34 Benzene		78	6.068	6.058 (0.619)	2265456	200.000	204.6106(A)
35 1,2-Dichloroethane		62	6.099	6.089 (0.938)	925957	200.000	217.0258(A)
* 36 1,4-Difluorobenzene		114	6.505	6.505 (1.000)	474648	50.0000	
37 Trichloroethene		95	6.820	6.809 (0.696)	652863	200.000	210.5642(A)
\$ 38 1,2-Dichloropropane-d6		67	6.992	6.992 (0.713)	844769	200.000	187.3612
39 Methylcyclohexane		83	7.053	7.043 (0.719)	1255612	200.000	209.3197(A)
40 1,2-Dichloropropane		63	7.104	7.094 (0.725)	689608	200.000	211.2059(A)
\$ 41 1,4-Dioxane-d8		96	7.185	7.205 (1.105)	37616	4000.00	2162.9430
42 1,4-Dioxane		88	7.256	7.246 (1.115)	39289	4000.00	2518.8266
44 Bromodichloromethane		83	7.429	7.429 (0.758)	829040	200.000	221.8690(A)
46 cis-1,3-Dichloropropene		75	7.987	7.977 (0.815)	1082096	200.000	213.5810(A)
47 4-Methyl-2-pentanone		43	8.180	8.170 (0.834)	1354813	400.000	451.9587(A)
\$ 48 Toluene-d8		98	8.312	8.302 (0.848)	2420568	200.000	184.7948
49 Toluene		91	8.383	8.383 (0.855)	2578023	200.000	208.7407(A)
\$ 45 trans-1,3-Dichloropropene-d4		79	8.606	8.606 (0.878)	983918	200.000	157.2754
50 trans-1,3-Dichloropropene		75	8.637	8.637 (0.881)	997734	200.000	218.4006(A)
51 1,1,2-Trichloroethane		97	8.840	8.840 (0.902)	548971	200.000	213.5525(A)
52 Tetrachloroethene		164	8.982	8.972 (0.916)	607216	200.000	211.1162(A)
\$ 54 2-Hexanone-d5		63	9.043	9.043 (0.922)	670112	400.000	435.4709(A)
55 2-Hexanone		43	9.094	9.094 (0.928)	930393	400.000	456.7650(A)
56 Dibromochloromethane		129	9.246	9.246 (0.943)	723504	200.000	230.8986(A)
57 1,2-Dibromoethane		107	9.368	9.368 (0.955)	606231	200.000	216.2988(A)
* 58 Chlorobenzene-d5		117	9.804	9.794 (1.000)	465254	50.0000	
59 Chlorobenzene		112	9.825	9.824 (1.002)	1858201	200.000	209.3963(A)
61 Ethylbenzene		91	9.916	9.916 (1.011)	3042393	200.000	210.1753(A)
62 m+p-Xylenes		106	10.028	10.028 (1.023)	1206124	200.000	211.5366(A)
63 o-Xylene		106	10.373	10.373 (1.058)	1146443	200.000	204.9330(A)
64 Styrene		104	10.383	10.383 (1.059)	1947812	200.000	209.4656(A)
65 Bromoform		173	10.555	10.555 (0.901)	503089	200.000	249.8891(A)
66 Isopropylbenzene		105	10.677	10.677 (1.089)	3092962	200.000	210.7909(A)
\$ 67 1,1,2,2-Tetrachloroethane-d2		84	10.911	10.911 (1.113)	747850	200.000	196.6054
68 1,1,2,2-Tetrachloroethane		83	10.931	10.931 (1.115)	663255	200.000	216.9104(A)
79 1,3-Dichlorobenzene		146	11.662	11.662 (0.996)	1557869	200.000	204.7590(A)
* 80 1,4-Dichlorobenzene-d4		152	11.713	11.713 (1.000)	274385	50.0000	
81 1,4-Dichlorobenzene		146	11.733	11.733 (1.002)	1653617	200.000	210.6692(A)
\$ 83 1,2-Dichlorobenzene-d4		152	11.997	11.997 (1.024)	1056758	200.000	179.4660
84 1,2-Dichlorobenzene		146	12.007	12.007 (1.025)	1522901	200.000	206.9179(A)
85 1,2-Dibromo-3-chloropropane		75	12.555	12.555 (1.072)	129739	200.000	232.8155(A)
86 1,2,4-Trichlorobenzene		180	13.114	13.114 (1.120)	1132583	200.000	199.3264
89 1,2,3-Trichlorobenzene		180	13.449	13.449 (1.148)	1045978	200.000	199.6878

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

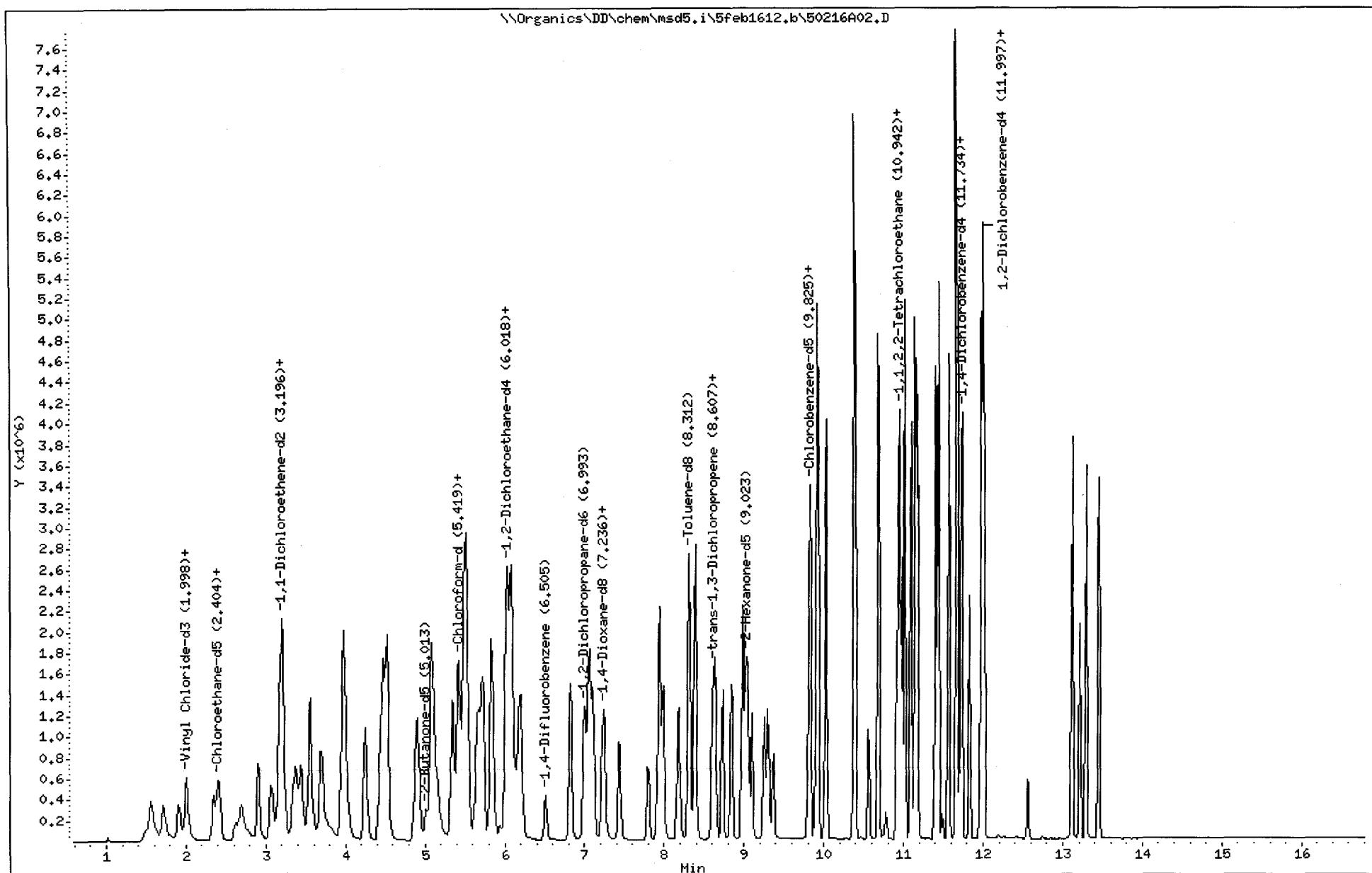
M - Compound response manually integrated.

Data File: \\Organics\\DD\\chem\\msd5.i\\5feb1612.b\\50216A02.D
Date : 16-FEB-2012 16:42
Client ID: VSTD2000J
Sample Info: 5feb1612.b, VSTD2000J
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd5.i
Operator: LBS
Column diameter: 0.25

Page 3

376 of 502



Inj. Date and Time: 16-FEB-2012 16:42

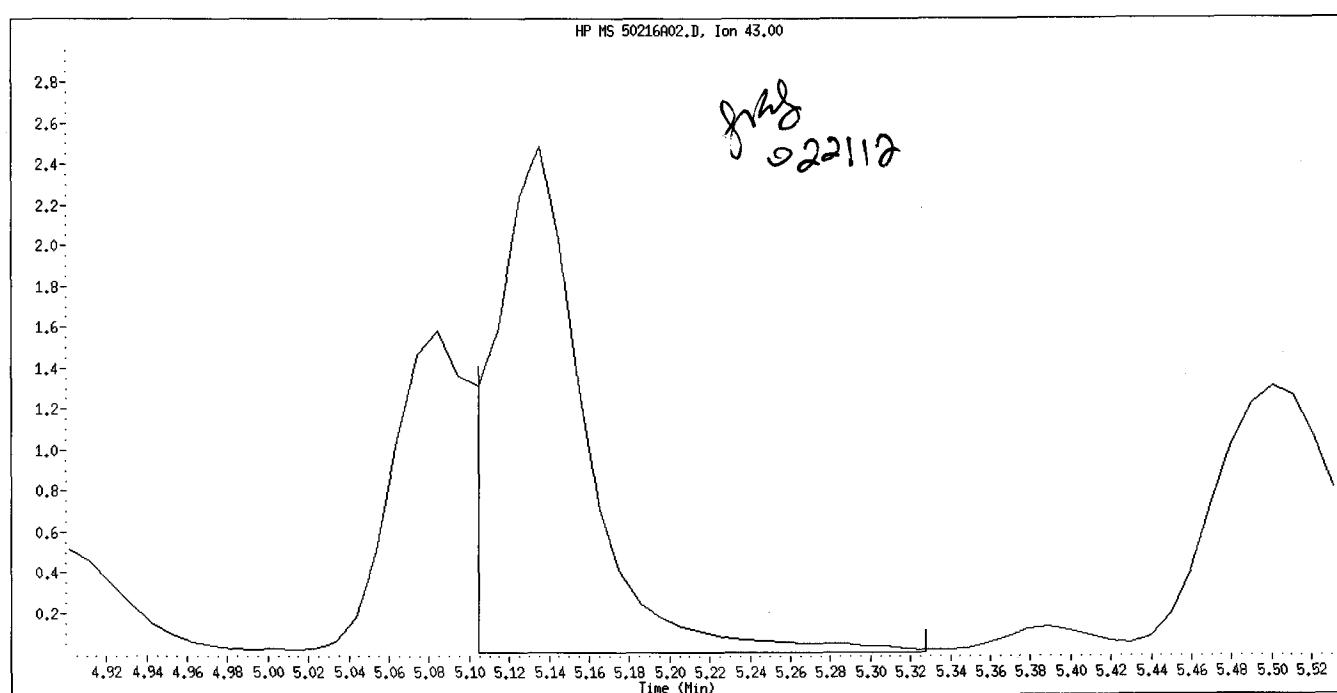
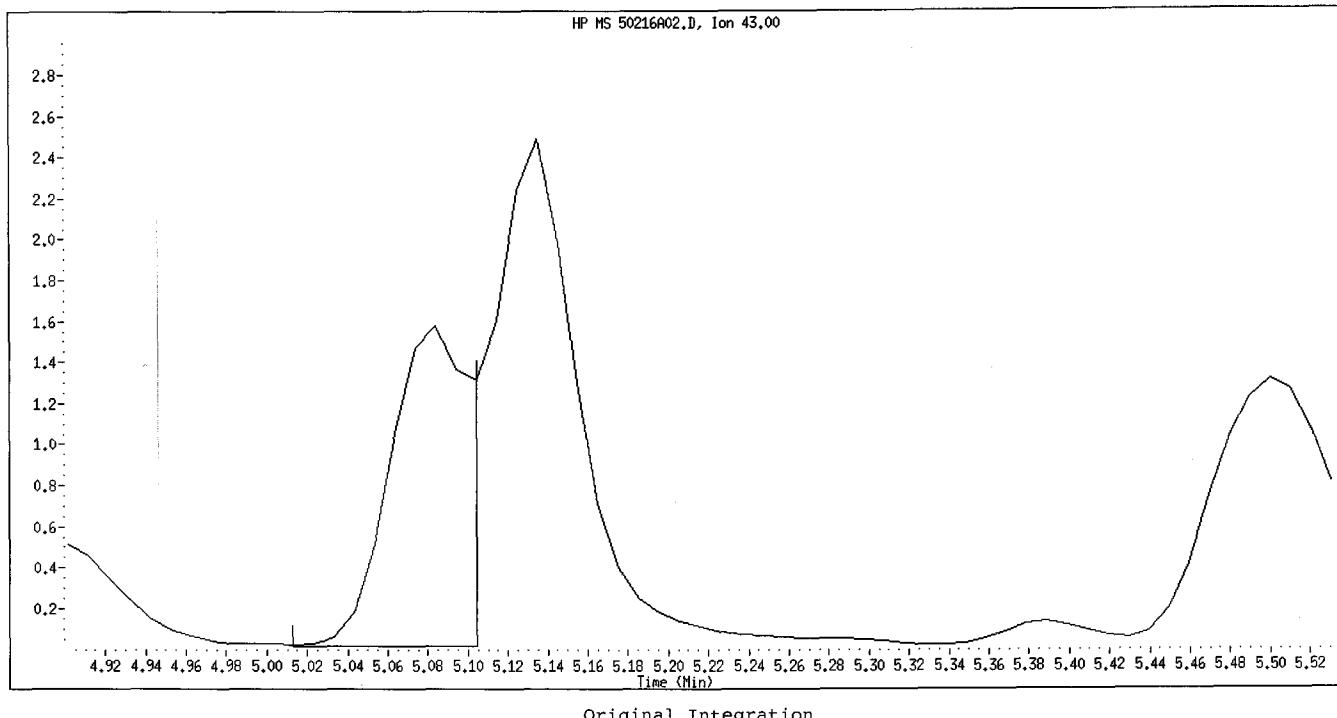
Instrument ID: msd5.i

Client ID: VSTD2000J

Compound Name: 2-Butanone

CAS #: 78-93-3

Report Date: 02/17/2012



Manual Integration

Manually Integrated By: LBS

Manual Integration Reason: Unknown

b. Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)

Arrange in chronological order, by instrument.

- (1) Quantitation reports for all continuing (12-hour) calibrations.
Spectra not required.
- (2) Reconstructed Ion Chromatograms.
- (3) EICPs displaying each manual integration.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7 Calibration Date: 02/12/2012 Time: 0313

Lab File ID: 70211B30 Init. Calib. Date(s): 02/11/2012 02/11/2012

EPA Sample No. (VSTD#####) : VSTD050PL Init. Calib. Time(s): 1717 1843

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 1.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.2792	0.2704	0.0100	-3.1	40.0
Chloromethane	0.2125	0.1938	0.0100	-8.8	40.0
Vinyl chloride	0.2264	0.2043	0.1000	-9.8	25.0
Bromomethane	0.1849	0.1909	0.1000	3.2	25.0
Chloroethane	0.1849	0.1855	0.0100	0.3	40.0
Trichlorofluoromethane	0.4199	0.4021	0.0100	-4.3	40.0
1,1-Dichloroethene	0.2353	0.2265	0.1000	-3.8	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2503	0.2365	0.0100	-5.5	40.0
Acetone	0.1261	0.1193	0.0100	-5.4	40.0
Carbon Disulfide	0.6965	0.6562	0.0100	-5.8	40.0
Methyl acetate	0.2617	0.2420	0.0100	-7.5	40.0
Methylene chloride	0.2656	0.2590	0.0100	-2.5	40.0
trans-1,2-Dichloroethene	0.2615	0.2527	0.0100	-3.4	40.0
Methyl tert-butyl ether	0.7890	0.7680	0.0100	-2.7	40.0
1,1-Dichloroethane	0.4290	0.4151	0.2000	-3.2	25.0
cis-1,2-Dichloroethene	0.2851	0.2774	0.0100	-2.7	40.0
2-Butanone	0.1568	0.1519	0.0100	-3.1	40.0
Bromochloromethane	0.1386	0.1364	0.0500	-1.6	25.0
Chloroform	0.4330	0.4241	0.2000	-2.1	25.0
1,1,1-Trichloroethane	0.4130	0.3966	0.1000	-4.0	25.0
Cyclohexane	0.4970	0.4858	0.0100	-2.2	40.0
Carbon tetrachloride	0.3506	0.3320	0.1000	-5.3	25.0
Benzene	1.1733	1.1409	0.4000	-2.8	25.0
1,2-Dichloroethane	0.3503	0.3446	0.1000	-1.6	25.0
1,4-Dioxane	0.0067	0.0039	0.0050	-42.2	50.0
Trichloroethene	0.2939	0.2829	0.3000	-3.8	25.0
Methylcyclohexane	0.5258	0.4970	0.0100	-5.5	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7 Calibration Date: 02/12/2012 Time: 0313

Lab File ID: 70211B30 Init. Calib. Date(s): 02/11/2012 02/11/2012

EPA Sample No. (VSTD#####): VSTD050PL Init. Calib. Time(s): 1717 1843

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 1.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.2798	0.2756	0.0100	-1.5	40.0
Bromodichloromethane	0.3292	0.3276	0.2000	-0.5	25.0
cis-1,3-Dichloropropene	0.4788	0.4576	0.2000	-4.4	25.0
4-Methyl-2-pentanone	0.7983	0.7461	0.0100	-6.5	40.0
Toluene	1.2628	1.2319	0.4000	-2.5	25.0
trans-1,3-Dichloropropene	0.4393	0.4227	0.1000	-3.8	25.0
1,1,2-Trichloroethane	0.2760	0.2706	0.1000	-2.0	25.0
Tetrachloroethene	0.2598	0.2494	0.1000	-4.0	25.0
2-Hexanone	0.2974	0.2743	0.0100	-7.8	40.0
Dibromochloromethane	0.2514	0.2526	0.1000	0.5	25.0
1,2-Dibromoethane	0.3000	0.2961	0.0100	-1.3	40.0
Chlorobenzene	0.8541	0.8261	0.5000	-3.3	25.0
Ethylbenzene	1.3957	1.4136	0.1000	1.3	25.0
o-Xylene	0.5576	0.5519	0.3000	-1.0	25.0
m,p-Xylene	0.5748	0.5669	0.3000	-1.4	25.0
Styrene	0.9265	0.9468	0.3000	2.2	25.0
Bromoform	0.3130	0.3010	0.0500	-3.9	25.0
Isopropylbenzene	1.3938	1.4350	0.0100	3.0	40.0
1,1,2,2-Tetrachloroethane	0.4244	0.4120	0.1000	-2.9	25.0
1,3-Dichlorobenzene	1.2898	1.2700	0.4000	-1.5	25.0
1,4-Dichlorobenzene	1.3528	1.3183	0.4000	-2.6	25.0
1,2-Dichlorobenzene	1.2625	1.2444	0.4000	-1.4	25.0
1,2-Dibromo-3-chloropropane	0.1507	0.1378	0.0100	-8.6	40.0
1,2,4-Trichlorobenzene	0.9108	0.9216	0.2000	1.2	25.0
1,2,3-Trichlorobenzene	0.8859	0.9163	0.2000	3.4	25.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7 Calibration Date: 02/12/2012 Time: 0313

Lab File ID: 70211B30 Init. Calib. Date(s): 02/11/2012 02/11/2012

EPA Sample No. (VSTD#####) : VSTD050PL Init. Calib. Time(s): 1717 1843

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 1.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.2197	0.1918	0.0100	-12.7	25.0
Chloroethane-d5	0.2346	0.2249	0.0100	-4.1	40.0
1,1-Dichloroethene-d2	0.4907	0.4590	0.0100	-6.4	25.0
2-Butanone-d5	0.1839	0.1558	0.0100	-15.3	40.0
Chloroform-d	0.4969	0.4668	0.0100	-6.1	25.0
1,2-Dichloroethane-d4	0.3198	0.2929	0.0100	-8.4	25.0
Benzene-d6	1.2549	1.1729	0.0100	-6.5	25.0
1,2-Dichloropropane-d6	0.3619	0.3437	0.0100	-5.0	40.0
Toluene-d8	1.2009	1.1186	0.0100	-6.9	25.0
trans-1,3-Dichloropropene-d4	0.7163	0.6591	0.0100	-8.0	25.0
2-Hexanone-d5	0.2077	0.1861	0.0100	-10.4	40.0
1,4-Dioxane-d8	0.0060	0.0031	0.0050	-47.7	50.0
1,1,2,2-Tetrachloroethane-d2	0.4675	0.4397	0.0100	-5.9	25.0
1,2-Dichlorobenzene-d4	0.8931	0.8478	0.0100	-5.1	25.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B30.D
Lab Smp Id: VSTD050PL Client Smp ID: VSTD050PL
Inj Date : 12-FEB-2012 03:13
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1112B.b, VSTD050PL
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1112B.b\CLPLMW-7END.m
Meth Date : 21-Feb-2012 12:54 lbs Quant Type: ISTD
Cal Date : 11-FEB-2012 18:43 Cal File: 70211B06.D
Als bottle: 34 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14
Processing Host: VOA-02

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
1 Dichlorodifluoromethane	85	1.760	1.760 (0.275)	1035718	50.0000	48.4374		
2 Chloromethane	50	1.879	1.879 (0.294)	742086	50.0000	45.5927		
\$ 3 Vinyl Chloride-d3	65	1.998	1.998 (0.312)	734542	50.0000	43.6469		
4 Vinyl Chloride	62	1.998	1.998 (0.312)	782228	50.0000	45.1096		
5 Bromomethane	94	2.306	2.306 (0.361)	731099	50.0000	51.6225		
\$ 6 Chloroethane-d5	69	2.377	2.377 (0.372)	861431	50.0000	47.9357		
7 Chloroethane	64	2.401	2.401 (0.375)	710305	50.0000	50.1461		
8 Trichlorofluoromethane	101	2.685	2.685 (0.420)	1539734	50.0000	47.8737		
\$ 9 1,1-Dichloroethene-d2	63	3.148	3.148 (0.492)	1757897	50.0000	46.7763		
10 1,1,2-Trichloro-1,2,2-trifluo	101	3.183	3.183 (0.498)	905712	50.0000	47.2457		
11 1,1-Dichloroethene	96	3.160	3.160 (0.494)	867398	50.0000	48.1229		
12 Acetone	43	3.183	3.183 (0.498)	913887	100.000	94.6334		
13 Carbon Disulfide	76	3.397	3.397 (0.531)	2513119	50.0000	47.1116		
14 Methyl Acetate	43	3.515	3.515 (0.550)	926613	50.0000	46.2261		
15 Methylene Chloride	84	3.646	3.646 (0.570)	991909	50.0000	48.7652		
16 Methyl tert-Butyl Ether	73	3.930	3.930 (0.614)	2941317	50.0000	48.6729		
17 trans-1,2-Dichloroethene	96	3.930	3.930 (0.614)	967592	50.0000	48.3064		
18 1,1-Dichloroethane	63	4.369	4.369 (0.683)	1589310	50.0000	48.3649		
\$ 19 2-Butanone-d5	46	4.915	4.915 (0.768)	1193369	100.000	84.7390		
20 cis-1,2-Dichloroethene	96	4.986	4.986 (0.779)	1062264	50.0000	48.6509		
21 2-Butanone	43	4.974	4.974 (0.778)	1163236	100.000	96.8824		
22 Bromochloromethane	128	5.247	5.247 (0.820)	522180	50.0000	49.2007		
\$ 23 Chloroform-d	84	5.306	5.306 (0.829)	1787503	50.0000	46.9632		

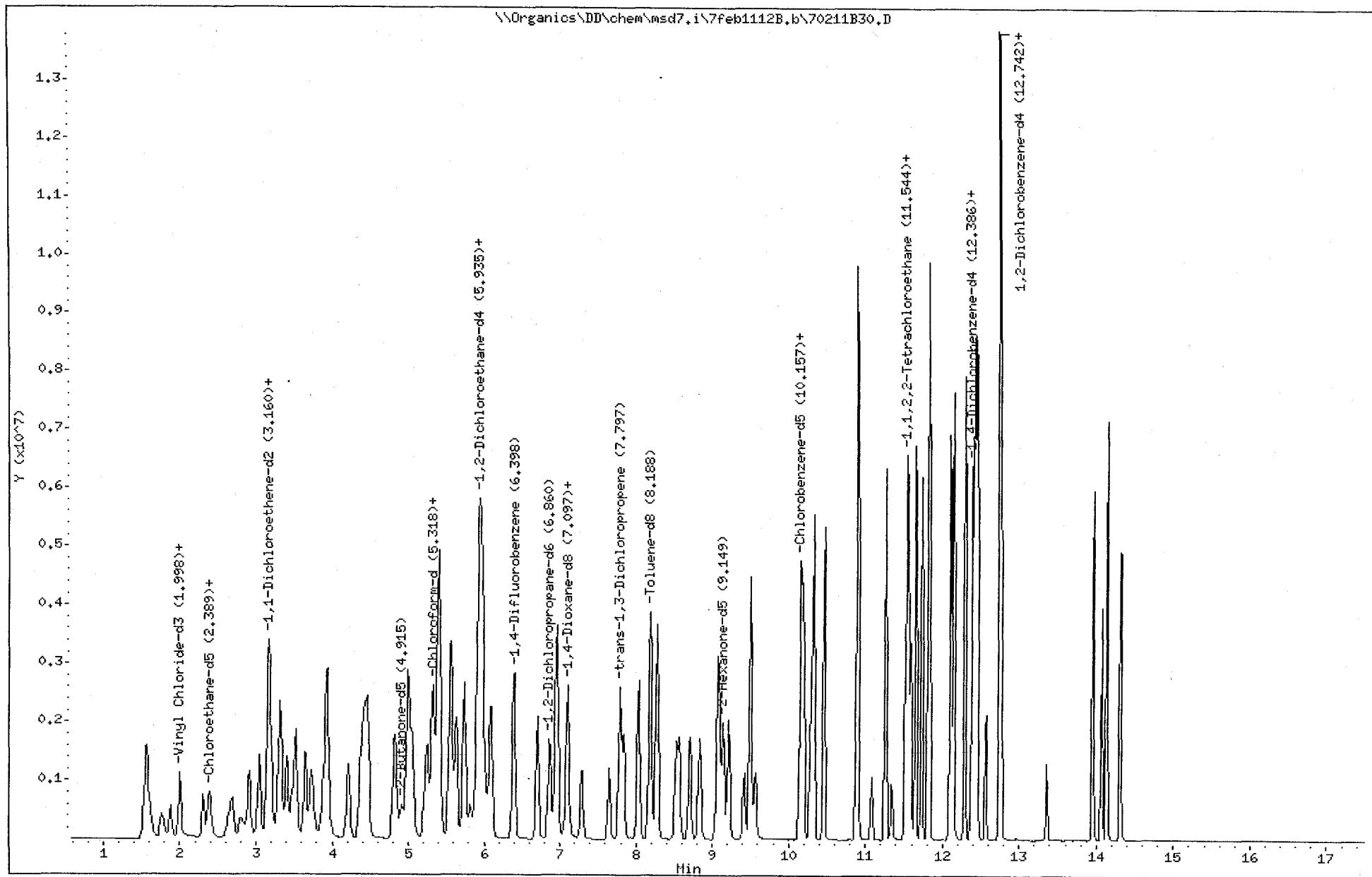
Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
24 Chloroform	83	5.330	5.330 (0.833)	1624068	50.0000	48.9647	
25 1,1,1-Trichloroethane	97	5.555	5.555 (0.547)	1381067	50.0000	48.0244	
26 Cyclohexane	56	5.626	5.626 (0.554)	1691548	50.0000	48.8781	
27 Carbon Tetrachloride	117	5.745	5.745 (0.566)	1156025	50.0000	47.3535	
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.920)	1121762	50.0000	45.7963	
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)	4083986	50.0000	46.7331	
30 Benzene	78	5.970	5.970 (0.588)	3972700	50.0000	48.6207	
31 1,2-Dichloroethane	62	5.970	5.970 (0.933)	1319513	50.0000	49.1769	
* 32 1,4-Difluorobenzene	114	6.397	6.397 (1.000)	3829647	50.0000		
33 Trichloroethene	95	6.705	6.705 (0.660)	984998	50.0000	48.1226	
\$ 34 1,2-Dichloropropane-d6	67	6.859	6.859 (0.675)	1196790	50.0000	47.4895	
35 Methylcyclohexane	83	6.943	6.943 (0.684)	1730467	50.0000	47.2640	
36 1,2-Dichloropropane	63	6.966	6.966 (0.686)	959501	50.0000	49.2419	
37 Bromodichloromethane	83	7.286	7.286 (0.717)	1140741	50.0000	49.7624	
38 1,4-Dioxane	88	7.120	7.120 (1.113)	296014	1000.00	578.3854	
\$ 39 1,4-Dioxane-d8	96	7.061	7.061 (1.104)	239396	1000.00	523.1516	
\$ 40 trans-1,3-Dichloropropene-d4	79	7.796	7.796 (0.768)	2294873	50.0000	46.0060	
41 cis-1,3-Dichloropropene	75	7.844	7.844 (0.772)	1593190	50.0000	47.7798	
42 4-Methyl-2-pentanone	43	8.033	8.033 (0.791)	2597882	50.0000	46.7312	
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)	3894839	50.0000	46.5723	
44 Toluene	91	8.271	8.271 (0.814)	4289235	50.0000	48.7732	
45 trans-1,3-Dichloropropene	75	8.567	8.567 (0.844)	1471690	50.0000	48.1035	
46 1,1,2-Trichloroethane	97	8.840	8.840 (0.870)	942133	50.0000	49.0220	
47 Tetrachloroethene	164	9.077	9.077 (0.894)	868374	50.0000	47.9954	
\$ 48 2-Hexanone-d5	63	9.148	9.148 (0.901)	1296106	100.000	89.6133	
49 2-Hexanone	43	9.219	9.219 (0.908)	1910073	100.000	92.2215	
50 Dibromochloromethane	129	9.421	9.421 (0.928)	879490	50.0000	50.2341	
51 1,2-Dibromoethane	107	9.575	9.575 (0.943)	1030844	50.0000	49.3484	
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)	3481925	50.0000		
53 Chlorobenzene	112	10.192	10.192 (1.004)	2876337	50.0000	48.3612	
54 Ethylbenzene	91	10.322	10.322 (1.016)	4922146	50.0000	50.6419	
55 m+p-Xylenes	106	10.464	10.464 (1.030)	1973872	50.0000	49.3161	
56 o-Xylene	106	10.891	10.891 (1.072)	1921832	50.0000	49.4927	
57 Styrene	104	10.903	10.903 (1.074)	3296802	50.0000	51.0947	
58 Bromoform	173	11.093	11.093 (0.891)	604667	50.0000	48.0724	
59 Isopropylbenzene	105	11.259	11.259 (1.109)	4996498	50.0000	51.4791	
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)	1530955	50.0000	47.0302	
61 1,1,2,2-Tetrachloroethane	83	11.544	11.544 (1.137)	1434557	50.0000	48.5432	
62 1,3-Dichlorobenzene	146	12.386	12.386 (0.995)	2551679	50.0000	49.2314	
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)	2009186	50.0000		
64 1,4-Dichlorobenzene	146	12.457	12.457 (1.001)	2648735	50.0000	48.7235	
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)	1703342	50.0000	47.4614	
66 1,2-Dichlorobenzene	146	12.765	12.765 (1.026)	2500308	50.0000	49.2848	
67 1,2-Dibromo-3-chloropropane	75	13.358	13.358 (1.073)	276812	50.0000	45.7245	
68 1,2,4-Trichlorobenzene	180	13.963	13.963 (1.122)	1851722	50.0000	50.5946	
69 1,2,3-Trichlorobenzene	180	14.318	14.318 (1.151)	1840973	50.0000	51.7140	

Data File: \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B30.D
Date : 12-FEB-2012 03:13
Client ID: VSTD050PL
Sample Info: 7feb1112B.b, VSTD050PL
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

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7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7 Calibration Date: 02/12/2012 Time: 1118

Lab File ID: 70212A23 Init. Calib. Date(s): 02/11/2012 02/11/2012

EPA Sample No. (VSTD#####) : VSTD050QB Init. Calib. Time(s): 1717 1843

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 1.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.2792	0.2607	0.0100	-6.6	50.0
Chloromethane	0.2125	0.1948	0.0100	-8.4	50.0
Vinyl chloride	0.2264	0.2069	0.1000	-8.6	50.0
Bromomethane	0.1849	0.1920	0.1000	3.8	50.0
Chloroethane	0.1849	0.1840	0.0100	-0.5	50.0
Trichlorofluoromethane	0.4199	0.3937	0.0100	-6.3	50.0
1,1-Dichloroethene	0.2353	0.2194	0.1000	-6.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2503	0.2308	0.0100	-7.8	50.0
Acetone	0.1261	0.0943	0.0100	-25.2	50.0
Carbon Disulfide	0.6965	0.6399	0.0100	-8.1	50.0
Methyl acetate	0.2617	0.2042	0.0100	-22.0	50.0
Methylene chloride	0.2656	0.2507	0.0100	-5.6	50.0
trans-1,2-Dichloroethene	0.2615	0.2442	0.0100	-6.6	50.0
Methyl tert-butyl ether	0.7890	0.7207	0.0100	-8.7	50.0
1,1-Dichloroethane	0.4290	0.4099	0.2000	-4.4	50.0
cis-1,2-Dichloroethene	0.2851	0.2681	0.0100	-6.0	50.0
2-Butanone	0.1568	0.1140	0.0100	-27.3	50.0
Bromochloromethane	0.1386	0.1314	0.0500	-5.2	50.0
Chloroform	0.4330	0.4099	0.2000	-5.3	50.0
1,1,1-Trichloroethane	0.4130	0.3822	0.1000	-7.4	50.0
Cyclohexane	0.4970	0.4703	0.0100	-5.4	50.0
Carbon tetrachloride	0.3506	0.3218	0.1000	-8.2	50.0
Benzene	1.1733	1.0908	0.4000	-7.0	50.0
1,2-Dichloroethane	0.3503	0.3319	0.1000	-5.2	50.0
1,4-Dioxane	0.0067	0.0031	0.0050	-53.0	50.0
Trichloroethene	0.2939	0.2709	0.3000	-7.9	50.0
Methylcyclohexane	0.5258	0.4784	0.0100	-9.0	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7 Calibration Date: 02/12/2012 Time: 1118

Lab File ID: 70212A23 Init. Calib. Date(s): 02/11/2012 02/11/2012

EPA Sample No. (VSTD#####) : VSTD050QB Init. Calib. Time(s): 1717 1843

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 1.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.2798	0.2644	0.0100	-5.5	50.0
Bromodichloromethane	0.3292	0.3060	0.2000	-7.0	50.0
cis-1,3-Dichloropropene	0.4788	0.4209	0.2000	-12.1	50.0
4-Methyl-2-pentanone	0.7983	0.6335	0.0100	-20.6	50.0
Toluene	1.2628	1.1777	0.4000	-6.7	50.0
trans-1,3-Dichloropropene	0.4393	0.3839	0.1000	-12.6	50.0
1,1,2-Trichloroethane	0.2760	0.2506	0.1000	-9.2	50.0
Tetrachloroethene	0.2598	0.2405	0.1000	-7.4	50.0
2-Hexanone	0.2974	0.2294	0.0100	-22.9	50.0
Dibromochloromethane	0.2514	0.2290	0.1000	-8.9	50.0
1,2-Dibromoethane	0.3000	0.2692	0.0100	-10.3	50.0
Chlorobenzene	0.8541	0.7978	0.5000	-6.6	50.0
Ethylbenzene	1.3957	1.3558	0.1000	-2.9	50.0
o-Xylene	0.5576	0.5280	0.3000	-5.3	50.0
m,p-Xylene	0.5748	0.5389	0.3000	-6.2	50.0
Styrene	0.9265	0.9029	0.3000	-2.6	50.0
Bromoform	0.3130	0.2637	0.0500	-15.7	50.0
Isopropylbenzene	1.3938	1.3741	0.0100	-1.4	50.0
1,1,2,2-Tetrachloroethane	0.4244	0.3726	0.1000	-12.2	50.0
1,3-Dichlorobenzene	1.2898	1.2383	0.4000	-4.0	50.0
1,4-Dichlorobenzene	1.3528	1.2717	0.4000	-6.0	50.0
1,2-Dichlorobenzene	1.2625	1.2131	0.4000	-3.9	50.0
1,2-Dibromo-3-chloropropane	0.1507	0.1124	0.0100	-25.4	50.0
1,2,4-Trichlorobenzene	0.9108	0.8977	0.2000	-1.4	50.0
1,2,3-Trichlorobenzene	0.8859	0.8682	0.2000	-2.0	50.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD7 Calibration Date: 02/12/2012 Time: 1118

Lab File ID: 70212A23 Init. Calib. Date(s): 02/11/2012 02/11/2012

EPA Sample No. (VSTD#####): VSTD050QB Init. Calib. Time(s): 1717 1843

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 1.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.2197	0.1979	0.0100	-9.9	50.0
Chloroethane-d5	0.2346	0.2286	0.0100	-2.5	50.0
1,1-Dichloroethene-d2	0.4907	0.4537	0.0100	-7.5	50.0
2-Butanone-d5	0.1839	0.1289	0.0100	-29.9	50.0
Chloroform-d	0.4969	0.4616	0.0100	-7.1	50.0
1,2-Dichloroethane-d4	0.3198	0.3021	0.0100	-5.5	50.0
Benzene-d6	1.2549	1.1452	0.0100	-8.7	50.0
1,2-Dichloropropane-d6	0.3619	0.3356	0.0100	-7.3	50.0
Toluene-d8	1.2009	1.0919	0.0100	-9.1	50.0
trans-1,3-Dichloropropene-d4	0.7163	0.6128	0.0100	-14.5	50.0
2-Hexanone-d5	0.2077	0.1403	0.0100	-32.4	50.0
1,4-Dioxane-d8	0.0060	0.0025	0.0050	-57.4	50.0
1,1,2,2-Tetrachloroethane-d2	0.4675	0.4005	0.0100	-14.3	50.0
1,2-Dichlorobenzene-d4	0.8931	0.8415	0.0100	-5.8	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A23.D
Lab Smp Id: VSTD050QB Client Smp ID: VSTD050QB
Inj Date : 12-FEB-2012 11:18
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, VSTD050QB
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7END.m
Meth Date : 21-Feb-2012 12:55 lbs Quant Type: ISTD
Cal Date : 11-FEB-2012 18:43 Cal File: 70211B06.D
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14
Processing Host: VOA-02

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

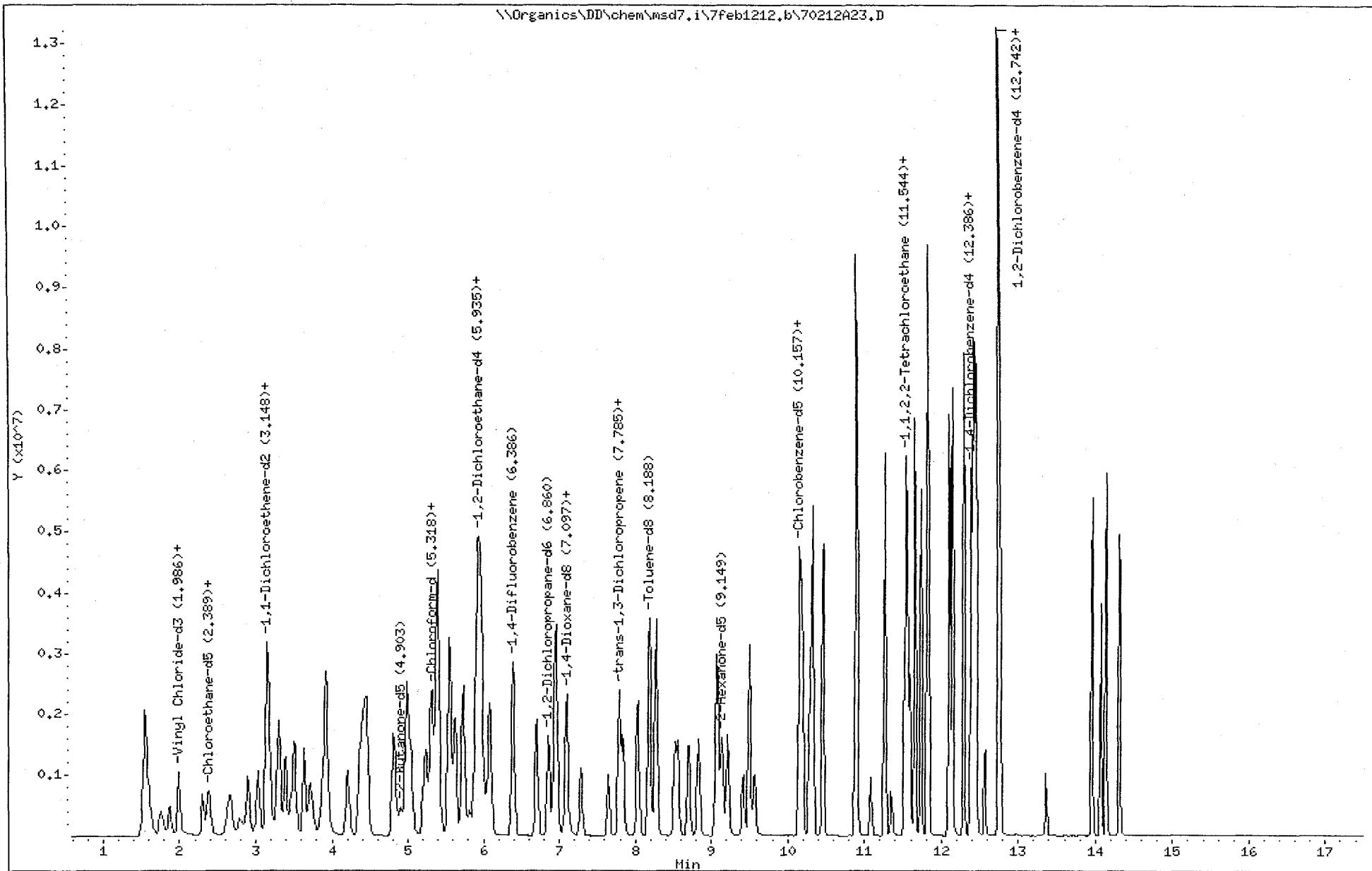
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS			
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.749	1.748 (0.274)	968399	50.0000	46.7003
2 Chloromethane	50	1.879	1.867 (0.294)	723287	50.0000	45.8224
\$ 3 Vinyl Chloride-d3	65	1.986	1.986 (0.311)	734876	50.0000	45.0274
4 Vinyl Chloride	62	1.998	1.997 (0.313)	768454	50.0000	45.6961
5 Bromomethane	94	2.306	2.294 (0.361)	713026	50.0000	51.9151
\$ 6 Chloroethane-d5	69	2.365	2.365 (0.370)	849166	50.0000	48.7256
7 Chloroethane	64	2.389	2.389 (0.374)	683308	50.0000	49.7433
8 Trichlorofluoromethane	101	2.662	2.673 (0.417)	1462009	50.0000	46.8734
\$ 9 1,1-Dichloroethene-d2	63	3.136	3.148 (0.491)	1684951	50.0000	46.2323
10 1,1,2-Trichloro-1,2,2-trifluo	101	3.172	3.171 (0.497)	857009	50.0000	46.0981
11 1,1-Dichloroethene	96	3.148	3.160 (0.493)	814968	50.0000	46.6229
12 Acetone	43	3.183	3.183 (0.499)	700116	100.000	74.7563
13 Carbon Disulfide	76	3.397	3.397 (0.532)	2376406	50.0000	45.9369
14 Methyl Acetate	43	3.515	3.515 (0.551)	758432	50.0000	39.0149
15 Methylene Chloride	84	3.634	3.634 (0.569)	931161	50.0000	47.2051
16 Methyl tert-Butyl Ether	73	3.919	3.919 (0.614)	2676495	50.0000	45.6707
17 trans-1,2-Dichloroethene	96	3.919	3.919 (0.614)	906850	50.0000	46.6846
18 1,1-Dichloroethane	63	4.357	4.357 (0.682)	1522517	50.0000	47.7760
\$ 19 2-Butanone-d5	46	4.903	4.903 (0.768)	957261	100.000	70.0914
20 cis-1,2-Dichloroethene	96	4.986	4.986 (0.781)	995588	50.0000	47.0180
21 2-Butanone	43	4.974	4.974 (0.779)	846487	100.000	72.6981
22 Bromochloromethane	128	5.247	5.247 (0.822)	487851	50.0000	47.3984
\$ 23 Chloroform-d	84	5.306	5.306 (0.831)	1714403	50.0000	46.4461

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
24 Chloroform	83	5.330	5.330 (0.835)	1522338	50.0000	47.3277	
25 1,1,1-Trichloroethane	97	5.555	5.555 (0.547)	1305684	50.0000	46.2812	
26 Cyclohexane	56	5.626	5.626 (0.554)	1606530	50.0000	47.3194	
27 Carbon Tetrachloride	117	5.745	5.745 (0.566)	1099140	50.0000	45.8942	
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.922)	1121919	50.0000	47.2299	
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)	3911916	50.0000	45.6299	
30 Benzene	78	5.958	5.958 (0.587)	3725907	50.0000	46.4822	
31 1,2-Dichloroethane	62	5.970	5.970 (0.935)	1232805	50.0000	47.3771	
* 32 1,4-Difluorobenzene	114	6.385	6.385 (1.000)	3713923	50.0000		46.0749
33 Trichloroethene	95	6.705	6.705 (0.660)	925190	50.0000		46.3687
\$ 34 1,2-Dichloropropane-d6	67	6.860	6.859 (0.675)	1146370	50.0000		45.4954
35 Methylcyclohexane	83	6.943	6.942 (0.684)	1634106	50.0000		47.2492
36 1,2-Dichloropropane	63	6.966	6.966 (0.686)	903203	50.0000		46.4862
37 Bromodichloromethane	83	7.286	7.286 (0.717)	1045417	50.0000		470.3579
38 1,4-Dioxane	88	7.120	7.108 (1.115)	233452	1000.00		
\$ 39 1,4-Dioxane-d8	96	7.049	7.049 (1.104)	189267	1000.00		426.4925
\$ 40 trans-1,3-Dichloropropene-d4	79	7.785	7.784 (0.766)	2093137	50.0000		42.7733
41 cis-1,3-Dichloropropene	75	7.844	7.832 (0.772)	1437876	50.0000		43.9560
42 4-Methyl-2-pentanone	43	8.034	8.033 (0.791)	2163897	50.0000		39.6775
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)	3729816	50.0000		45.4617
44 Toluene	91	8.271	8.271 (0.814)	4022803	50.0000		46.6283
45 trans-1,3-Dichloropropene	75	8.567	8.567 (0.844)	1311197	50.0000		43.6866
46 1,1,2-Trichloroethane	97	8.828	8.828 (0.869)	855956	50.0000		45.3994
47 Tetrachloroethene	164	9.065	9.065 (0.893)	821553	50.0000		46.2859
\$ 48 2-Hexanone-d5	63	9.148	9.148 (0.901)	958523	100.000		67.5545
49 2-Hexanone	43	9.219	9.219 (0.908)	1566955	100.000		77.1185
50 Dibromochloromethane	129	9.421	9.421 (0.928)	782280	50.0000		45.5459
51 1,2-Dibromoethane	107	9.575	9.575 (0.943)	919440	50.0000		44.8666
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)	3415856	50.0000		
53 Chlorobenzene	112	10.192	10.192 (1.004)	2725144	50.0000		46.7053
54 Ethylbenzene	91	10.322	10.322 (1.016)	4631319	50.0000		48.5714
55 m+p-Xylenes	106	10.465	10.464 (1.030)	1840748	50.0000		46.8796
56 o-Xylene	106	10.891	10.891 (1.072)	1803617	50.0000		47.3467
57 Styrene	104	10.903	10.903 (1.074)	3084065	50.0000		48.7221
58 Bromoform	173	11.081	11.081 (0.890)	514607	50.0000		42.1291
59 Isopropylbenzene	105	11.259	11.259 (1.109)	4693615	50.0000		49.2938
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)	1368066	50.0000		42.8392
61 1,1,2,2-Tetrachloroethane	83	11.544	11.544 (1.137)	1272693	50.0000		43.8990
62 1,3-Dichlorobenzene	146	12.386	12.386 (0.995)	2416079	50.0000		48.0015
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)	1951158	50.0000		
64 1,4-Dichlorobenzene	146	12.457	12.457 (1.001)	2481330	50.0000		47.0016
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)	1641967	50.0000		47.1119
66 1,2-Dichlorobenzene	146	12.765	12.765 (1.026)	2367038	50.0000		48.0455
67 1,2-Dibromo-3-chloropropane	75	13.358	13.358 (1.073)	219327	50.0000		37.3064
68 1,2,4-Trichlorobenzene	180	13.963	13.963 (1.122)	1751563	50.0000		49.2813
69 1,2,3-Trichlorobenzene	180	14.319	14.318 (1.151)	1694076	50.0000		49.0029

Data File: \\Organics\\DD\\chem\\msd7.i\\7feb1212.b\\70212A23.D
Date : 12-FEB-2012 11:18
Client ID: VSTD050QB
Sample Info: 7feb1212.b, VSTD050QB
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25



7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date: 02/20/2012 Time: 1107

Lab File ID: 50220A02 Init. Calib. Date(s): 02/16/2012 02/16/2012

EPA Sample No. (VSTD#####): VSTD050PT Init. Calib. Time(s): 1642 2256

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.3424	0.2458	0.0100	-28.2	40.0
Chloromethane	0.3564	0.3291	0.0100	-7.7	40.0
Vinyl chloride	0.3151	0.2715	0.1000	-13.8	25.0
Bromomethane	0.2512	0.2137	0.1000	-14.9	25.0
Chloroethane	0.2324	0.2109	0.0100	-9.3	40.0
Trichlorofluoromethane	0.5178	0.5091	0.0100	-1.7	40.0
1,1-Dichloroethene	0.2878	0.2838	0.1000	-1.4	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3162	0.2994	0.0100	-5.3	40.0
Acetone	0.0773	0.0954	0.0100	23.4	40.0
Carbon Disulfide	0.8376	0.8005	0.0100	-4.4	40.0
Methyl acetate	0.2327	0.2457	0.0100	5.6	40.0
Methylene chloride	0.3247	0.3191	0.0100	-1.7	40.0
trans-1,2-Dichloroethene	0.3056	0.3030	0.0100	-0.8	40.0
Methyl tert-butyl ether	0.8433	0.8086	0.0100	-4.1	40.0
1,1-Dichloroethane	0.5855	0.6165	0.2000	5.3	25.0
cis-1,2-Dichloroethene	0.3329	0.3248	0.0100	-2.4	40.0
2-Butanone	0.1883	0.1786	0.0100	-5.2	40.0
Bromochloromethane	0.1785	0.1721	0.0500	-3.6	25.0
Chloroform	0.5263	0.5292	0.2000	0.5	25.0
1,1,1-Trichloroethane	0.5204	0.5148	0.1000	-1.1	25.0
Cyclohexane	0.7163	0.6805	0.0100	-5.0	40.0
Carbon tetrachloride	0.4587	0.4690	0.1000	2.3	25.0
Benzene	1.1899	1.1173	0.4000	-6.1	25.0
1,2-Dichloroethane	0.4494	0.4769	0.1000	6.1	25.0
1,4-Dioxane	0.0016	0.0016	0.0050	-3.0	50.0
Trichloroethene	0.3332	0.3121	0.3000	-6.3	25.0
Methylcyclohexane	0.6447	0.5901	0.0100	-8.5	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date: 02/20/2012 Time: 1107

Lab File ID: 50220A02 Init. Calib. Date(s): 02/16/2012 02/16/2012

EPA Sample No. (VSTD#####) : VSTD050PT Init. Calib. Time(s): 1642 2256

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3509	0.3522	0.0100	0.4	40.0
Bromodichloromethane	0.4016	0.4020	0.2000	0.1	25.0
cis-1,3-Dichloropropene	0.5445	0.5272	0.2000	-3.2	25.0
4-Methyl-2-pentanone	0.3222	0.3217	0.0100	-0.1	40.0
Toluene	1.3273	1.2781	0.4000	-3.7	25.0
trans-1,3-Dichloropropene	0.4910	0.4765	0.1000	-2.9	25.0
1,1,2-Trichloroethane	0.2763	0.2636	0.1000	-4.6	25.0
Tetrachloroethene	0.3091	0.3051	0.1000	-1.3	25.0
2-Hexanone	0.2189	0.2229	0.0100	1.8	40.0
Dibromochloromethane	0.3367	0.3387	0.1000	0.6	25.0
1,2-Dibromoethane	0.3012	0.2778	0.0100	-7.8	40.0
Chlorobenzene	0.9537	0.9312	0.5000	-2.4	25.0
Ethylbenzene	1.5557	1.5125	0.1000	-2.8	25.0
o-Xylene	0.6012	0.5821	0.3000	-3.2	25.0
m,p-Xylene	0.6128	0.5930	0.3000	-3.2	25.0
Styrene	0.9993	0.9809	0.3000	-1.8	25.0
Bromoform	0.3669	0.3606	0.0500	-1.7	25.0
Isopropylbenzene	1.5769	1.5096	0.0100	-4.3	40.0
1,1,2,2-Tetrachloroethane	0.3286	0.3068	0.1000	-6.6	25.0
1,3-Dichlorobenzene	1.3864	1.3596	0.4000	-1.9	25.0
1,4-Dichlorobenzene	1.4304	1.3884	0.4000	-2.9	25.0
1,2-Dichlorobenzene	1.3412	1.2958	0.4000	-3.4	25.0
1,2-Dibromo-3-chloropropane	0.1015	0.0964	0.0100	-5.0	40.0
1,2,4-Trichlorobenzene	1.0354	1.0008	0.2000	-3.3	25.0
1,2,3-Trichlorobenzene	0.9545	0.8993	0.2000	-5.8	25.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date: 02/20/2012 Time: 1107

Lab File ID: 50220A02 Init. Calib. Date(s): 02/16/2012 02/16/2012

EPA Sample No. (VSTD#####): VSTD050PT Init. Calib. Time(s): 1642 2256

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.3309	0.2628	0.0100	-20.6	25.0
Chloroethane-d5	0.3218	0.2401	0.0100	-25.4	40.0
1,1-Dichloroethene-d2	0.7411	0.6961	0.0100	-6.1	25.0
2-Butanone-d5	0.1607	0.1078	0.0100	-32.9	40.0
Chloroform-d	0.6622	0.5606	0.0100	-15.3	25.0
1,2-Dichloroethane-d4	0.4281	0.4442	0.0100	3.8	25.0
Benzene-d6	1.4372	1.1223	0.0100	-21.9	25.0
1,2-Dichloropropane-d6	0.4845	0.3981	0.0100	-17.8	40.0
Toluene-d8	1.4077	1.2202	0.0100	-13.3	25.0
trans-1,3-Dichloropropene-d4	0.5396	0.4376	0.0100	-18.9	25.0
2-Hexanone-d5	0.1654	0.1181	0.0100	-28.6	40.0
1,4-Dioxane-d8	0.0018	0.0014	0.0050	-22.3	50.0
1,1,2,2-Tetrachloroethane-d2	0.4088	0.3133	0.0100	-23.3	25.0
1,2-Dichlorobenzene-d4	1.0730	0.8427	0.0100	-21.5	25.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb2012.b\50220A02.D
 Lab Smp Id: VSTD050PT Client Smp ID: VSTD050PT
 Inj Date : 20-FEB-2012 11:07
 Operator : LBS Inst ID: msd5.i
 Smp Info : 5feb2012.b, VSTD050PT
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd5.i\5feb2012.b\CLPLMW-5.m
 Meth Date : 21-Feb-2012 16:13 lbs Quant Type: ISTD
 Cal Date : 16-FEB-2012 22:56 Cal File: 50216A08.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: som1.2.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS					
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.703	1.703 (0.262)		105786	50.0000	35.8950	
2 Chloromethane	50	1.896	1.896 (0.292)		141646	50.0000	46.1689	
\$ 3 Vinyl Chloride-d3	65	1.987	1.987 (0.306)		113127	50.0000	39.7218	
4 Vinyl Chloride	62	1.997	1.997 (0.307)		116839	50.0000	43.0752	
5 Bromomethane	94	2.332	2.332 (0.359)		91958	50.0000	42.5337	
\$ 6 Chloroethane-d5	69	2.383	2.383 (0.366)		103330	50.0000	37.3031	
7 Chloroethane	64	2.414	2.414 (0.371)		90773	50.0000	45.3704	
8 Trichlorodifluoromethane	101	2.688	2.688 (0.413)		219123	50.0000	49.1665	
\$ 9 1,1-Dichloroethene-d2	63	3.165	3.165 (0.487)		299608	50.0000	46.9684	
10 1,1-Dichloroethene	96	3.185	3.185 (0.490)		122151	50.0000	49.3087	
12 Acetone	43	3.206	3.206 (0.493)		82076	100.000	123.3780	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.195	3.195 (0.491)		128851	50.0000	47.3350	
14 Carbon Disulfide	76	3.429	3.429 (0.527)		344507	50.0000	47.7805	
15 Methyl Acetate	43	3.541	3.541 (0.544)		105752	50.0000	52.8050	
16 Methylene Chloride	84	3.693	3.693 (0.568)		137318	50.0000	49.1274	
17 trans-1,2-Dichloroethene	96	3.967	3.967 (0.610)		130397	50.0000	49.5769	
18 Methyl tert-Butyl Ether	73	3.977	3.977 (0.611)		348011	50.0000	47.9422	
20 1,1-Dichloroethane	63	4.424	4.424 (0.680)		265322	50.0000	52.6467	
\$ 21 2-Butanone-d5	46	5.002	5.002 (0.769)		92760	100.000	67.0517	
22 2-Butanone	43	5.124	5.124 (0.788)		153714	100.000	94.8181(M)	SAP for CBS 02/21/12
23 cis-1,2-Dichloroethene	96	5.063	5.063 (0.778)		139810	50.0000	48.7901	
25 Bromochloromethane	128	5.337	5.337 (0.821)		74051	50.0000	48.1859	
\$ 26 Chloroform-d	84	5.398	5.398 (0.830)		241293	50.0000	42.3333	
27 Chloroform	83	5.419	5.419 (0.833)		227751	50.0000	50.2700	

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)
28 1,1,1-Trichloroethane	97	5.652	5.652 (0.577)		221782	50.0000	49.4644
29 Cyclohexane	56	5.703	5.703 (0.582)		293142	50.0000	47.5017
31 Carbon Tetrachloride	117	5.835	5.835 (0.596)		202029	50.0000	51.1258
\$ 32 1,2-Dichloroethane-d4	65	5.997	5.997 (0.922)		191183	50.0000	51.8767
\$ 33 Benzene-d6	84	6.018	6.018 (0.614)		483450	50.0000	39.0432
34 Benzene	78	6.058	6.058 (0.619)		481318	50.0000	46.9507
35 1,2-Dichloroethane	62	6.089	6.089 (0.936)		205243	50.0000	53.0514
* 36 1,4-Difluorobenzene	114	6.505	6.505 (1.000)		430391	50.0000	
37 Trichloroethene	95	6.809	6.809 (0.695)		134443	50.0000	46.8315
\$ 38 1,2-Dichloropropane-d6	67	6.992	6.992 (0.714)		171513	50.0000	41.0843
39 Methylcyclohexane	83	7.043	7.043 (0.719)		254215	50.0000	45.7713
40 1,2-Dichloropropane	63	7.094	7.094 (0.724)		151704	50.0000	50.1808
\$ 41 1,4-Dioxane-d8	96	7.185	7.185 (1.105)		12248	1000.00	776.6871
42 1,4-Dioxane	88	7.246	7.246 (1.114)		13715	1000.00	969.6870(Q)
44 Bromodichloromethane	83	7.429	7.429 (0.759)		173172	50.0000	50.0537
46 cis-1,3-Dichloropropene	75	7.977	7.977 (0.814)		227122	50.0000	48.4165
47 4-Methyl-2-pentanone	43	8.170	8.170 (0.834)		277175	100.000	99.8644
\$ 48 Toluene-d8	98	8.302	8.302 (0.848)		525638	50.0000	43.3408
49 Toluene	91	8.383	8.383 (0.856)		550563	50.0000	48.1465
\$ 45 trans-1,3-Dichloropropene-d4	79	8.606	8.606 (0.879)		188515	50.0000	40.5493
50 trans-1,3-Dichloropropene	75	8.637	8.637 (0.882)		205284	50.0000	48.5324
51 1,1,2-Trichloroethane	97	8.840	8.840 (0.903)		113545	50.0000	47.7046
52 Tetrachloroethene	164	8.982	8.982 (0.917)		131428	50.0000	49.3519
\$ 54 2-Hexanone-d5	63	9.043	9.043 (0.923)		101714	100.000	71.3888
55 2-Hexanone	43	9.094	9.094 (0.928)		192073	100.000	101.8428
56 Dibromochloromethane	129	9.246	9.246 (0.944)		145913	50.0000	50.2935
57 1,2-Dibromoethane	107	9.368	9.368 (0.956)		119651	50.0000	46.1073
* 58 Chlorobenzene-d5	117	9.794	9.794 (1.000)		430777	50.0000	
59 Chlorobenzene	112	9.825	9.825 (1.003)		401135	50.0000	48.8207
61 Ethylbenzene	91	9.916	9.916 (1.012)		651536	50.0000	48.6118
62 m+p-Xylenes	106	10.028	10.028 (1.024)		255439	50.0000	48.3858
63 o-Xylene	106	10.373	10.373 (1.059)		250758	50.0000	48.4118
64 Styrene	104	10.383	10.383 (1.060)		422531	50.0000	49.0751
65 Bromoform	173	10.555	10.555 (0.901)		95831	50.0000	49.1435
66 Isopropylbenzene	105	10.677	10.677 (1.090)		650304	50.0000	47.8664
\$ 67 1,1,2,2-Tetrachloroethane-d2	84	10.911	10.911 (1.114)		134983	50.0000	38.3263
68 1,1,2,2-Tetrachloroethane	83	10.931	10.931 (1.116)		132169	50.0000	46.6838
79 1,3-Dichlorobenzene	146	11.662	11.662 (0.996)		361338	50.0000	49.0324
* 80 1,4-Dichlorobenzene-d4	152	11.713	11.713 (1.000)		265768	50.0000	
81 1,4-Dichlorobenzene	146	11.733	11.733 (1.002)		369001	50.0000	48.5345
\$ 83 1,2-Dichlorobenzene-d4	152	11.997	11.997 (1.024)		223964	50.0000	39.2683
84 1,2-Dichlorobenzene	146	12.007	12.007 (1.025)		344394	50.0000	48.3103
85 1,2-Dibromo-3-chloropropane	75	12.555	12.555 (1.072)		25627	50.0000	47.4784
86 1,2,4-Trichlorobenzene	180	13.114	13.114 (1.120)		265973	50.0000	48.3270
89 1,2,3-Trichlorobenzene	180	13.449	13.449 (1.148)		239013	50.0000	47.1094

QC Flag Legend

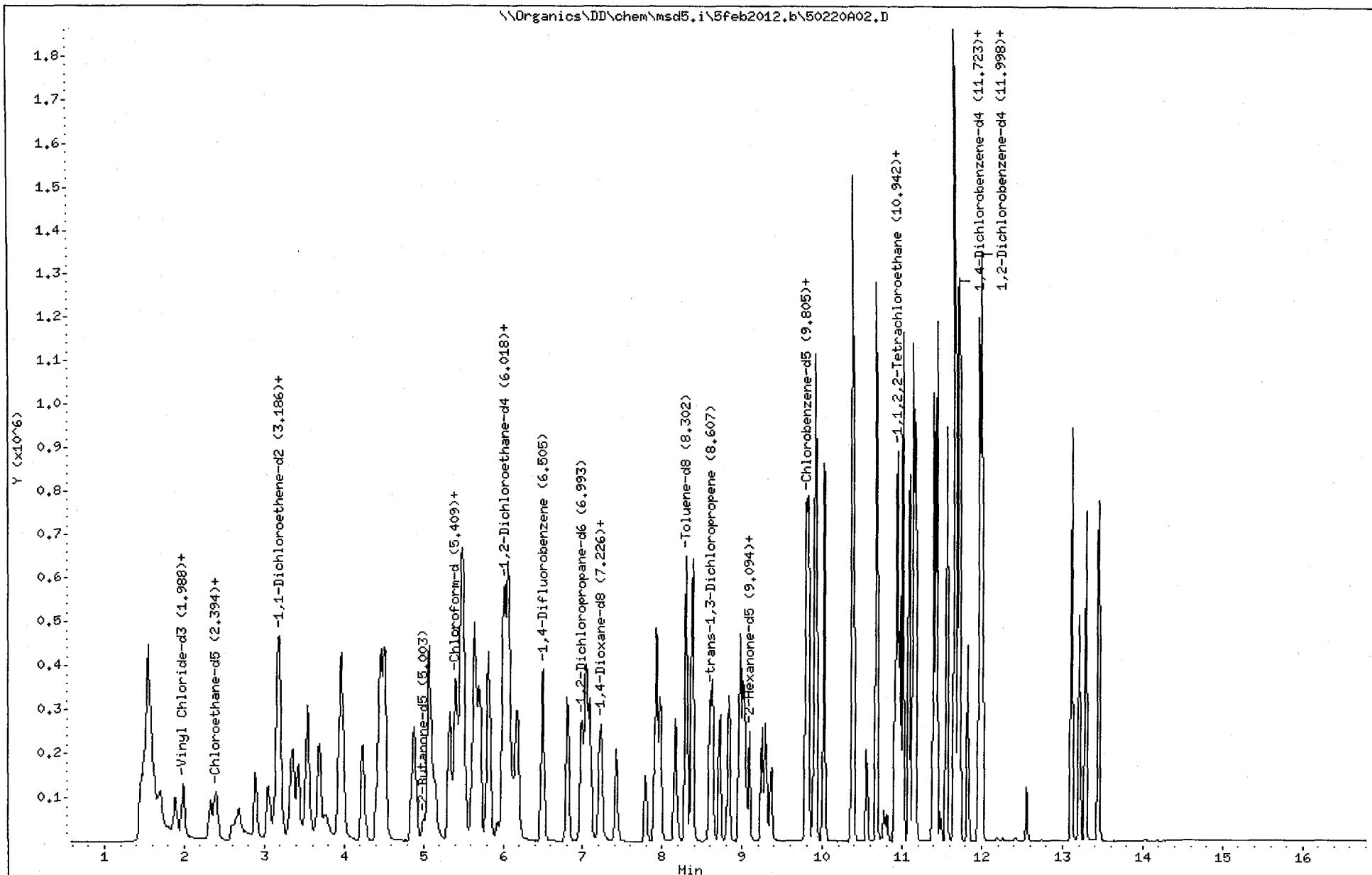
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: \\Organics\DD\chem\msd5.i\5feb2012.b\50220A02.D
Date : 20-FEB-2012 11:07
Client ID: VSTD050PT
Sample Info: 5feb2012.b, VSTD050PT
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd5.i
Operator: LBS
Column diameter: 0.25

Page 3

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Inj. Date and Time: 20-FEB-2012 11:07

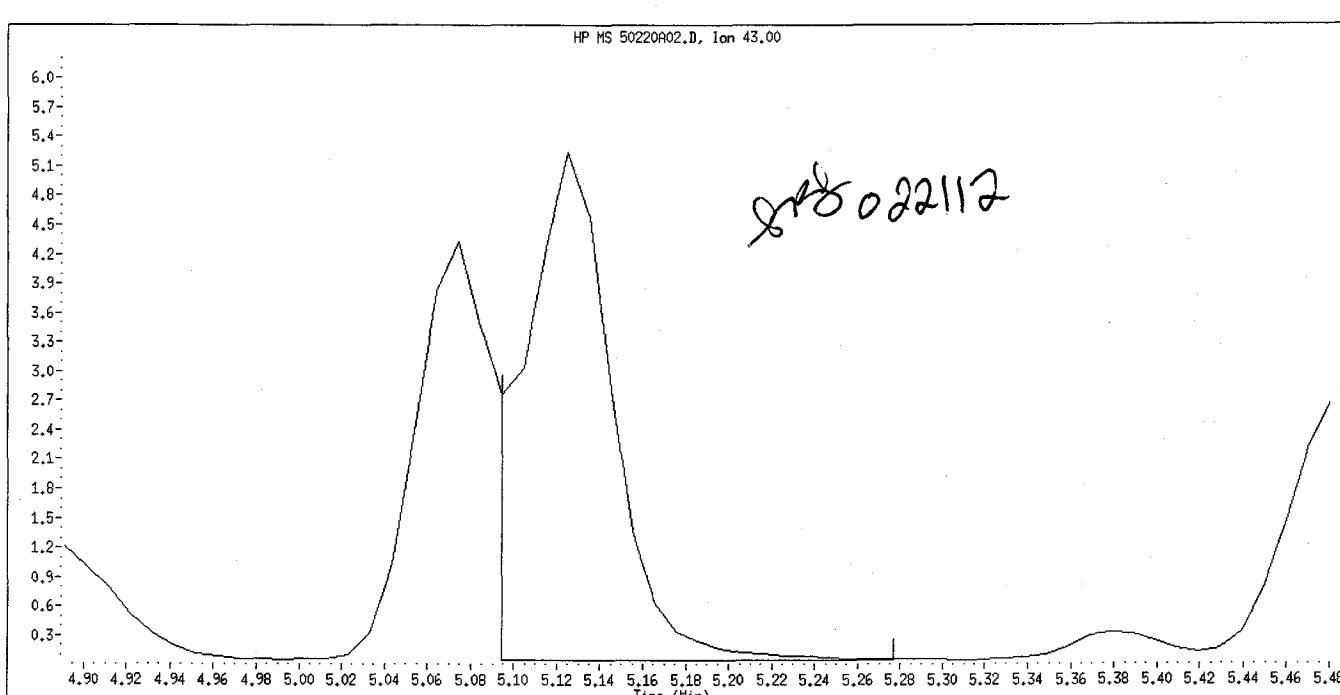
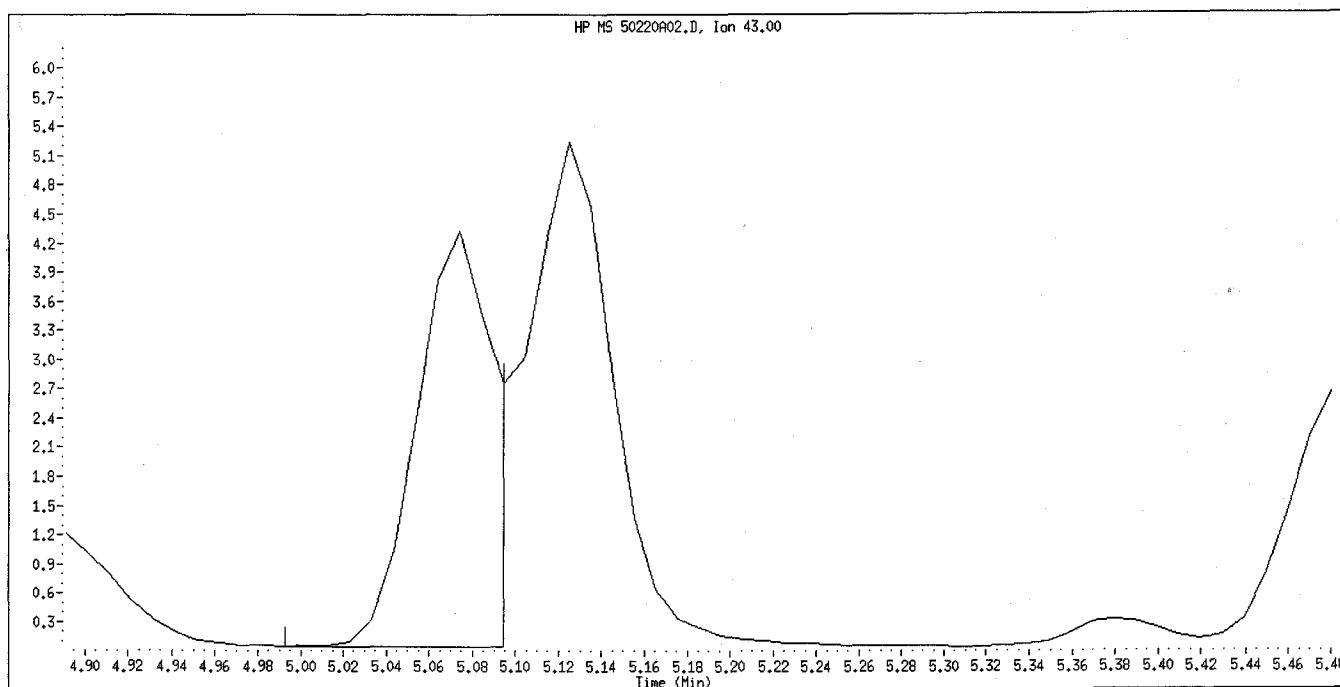
Instrument ID: msd5.i

Client ID: VSTD050PT

Compound Name: 2-Butanone

CAS #: 78-93-3

Report Date: 02/21/2012



Manual Integration

Manually Integrated By: LBS

Manual Integration Reason: Unknown

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date: 02/20/2012 Time: 2212

Lab File ID: 50220A19 Init. Calib. Date(s): 02/16/2012 02/16/2012

EPA Sample No. (VSTD#####): VSTD050PY Init. Calib. Time(s): 1642 2256

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.3424	0.2458	0.0100	-28.2	50.0
Chloromethane	0.3564	0.3610	0.0100	1.3	50.0
Vinyl chloride	0.3151	0.2835	0.1000	-10.0	50.0
Bromomethane	0.2512	0.2376	0.1000	-5.4	50.0
Chloroethane	0.2324	0.2178	0.0100	-6.3	50.0
Trichlorofluoromethane	0.5178	0.5396	0.0100	4.2	50.0
1,1-Dichloroethene	0.2878	0.2721	0.1000	-5.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3162	0.3005	0.0100	-5.0	50.0
Acetone	0.0773	0.1150	0.0100	48.8	50.0
Carbon Disulfide	0.8376	0.7528	0.0100	-10.1	50.0
Methyl acetate	0.2327	0.2593	0.0100	11.5	50.0
Methylene chloride	0.3247	0.3064	0.0100	-5.6	50.0
trans-1,2-Dichloroethene	0.3056	0.3019	0.0100	-1.2	50.0
Methyl tert-butyl ether	0.8433	0.7745	0.0100	-8.2	50.0
1,1-Dichloroethane	0.5855	0.6140	0.2000	4.9	50.0
cis-1,2-Dichloroethene	0.3329	0.3296	0.0100	-1.0	50.0
2-Butanone	0.1883	0.1849	0.0100	-1.8	50.0
Bromochloromethane	0.1785	0.1785	0.0500	-0.0	50.0
Chloroform	0.5263	0.5558	0.2000	5.6	50.0
1,1,1-Trichloroethane	0.5204	0.5346	0.1000	2.7	50.0
Cyclohexane	0.7163	0.6745	0.0100	-5.8	50.0
Carbon tetrachloride	0.4587	0.4794	0.1000	4.5	50.0
Benzene	1.1899	1.1479	0.4000	-3.5	50.0
1,2-Dichloroethane	0.4494	0.5062	0.1000	12.6	50.0
1,4-Dioxane	0.0016	0.0020	0.0050	21.2	50.0
Trichloroethene	0.3332	0.3536	0.3000	6.1	50.0
Methylcyclohexane	0.6447	0.5785	0.0100	-10.3	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date: 02/20/2012 Time: 2212

Lab File ID: 50220A19 Init. Calib. Date(s): 02/16/2012 02/16/2012

EPA Sample No. (VSTD#####) : VSTD050PY Init. Calib. Time(s): 1642 2256

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3509	0.3571	0.0100	1.8	50.0
Bromodichloromethane	0.4016	0.4225	0.2000	5.2	50.0
cis-1,3-Dichloropropene	0.5445	0.5175	0.2000	-4.9	50.0
4-Methyl-2-pentanone	0.3222	0.3363	0.0100	4.4	50.0
Toluene	1.3273	1.2916	0.4000	-2.7	50.0
trans-1,3-Dichloropropene	0.4910	0.4667	0.1000	-4.9	50.0
1,1,2-Trichloroethane	0.2763	0.2636	0.1000	-4.6	50.0
Tetrachloroethene	0.3091	0.3103	0.1000	0.4	50.0
2-Hexanone	0.2189	0.2241	0.0100	2.4	50.0
Dibromochloromethane	0.3367	0.3462	0.1000	2.8	50.0
1,2-Dibromoethane	0.3012	0.2847	0.0100	-5.5	50.0
Chlorobenzene	0.9537	0.9262	0.5000	-2.9	50.0
Ethylbenzene	1.5557	1.5119	0.1000	-2.8	50.0
o-Xylene	0.6012	0.5796	0.3000	-3.6	50.0
m,p-Xylene	0.6128	0.5893	0.3000	-3.8	50.0
Styrene	0.9993	0.9747	0.3000	-2.5	50.0
Bromoform	0.3669	0.3674	0.0500	0.2	50.0
Isopropylbenzene	1.5769	1.5311	0.0100	-2.9	50.0
1,1,2,2-Tetrachloroethane	0.3286	0.2866	0.1000	-12.8	50.0
1,3-Dichlorobenzene	1.3864	1.3676	0.4000	-1.4	50.0
1,4-Dichlorobenzene	1.4304	1.3951	0.4000	-2.5	50.0
1,2-Dichlorobenzene	1.3412	1.3298	0.4000	-0.8	50.0
1,2-Dibromo-3-chloropropane	0.1015	0.0997	0.0100	-1.8	50.0
1,2,4-Trichlorobenzene	1.0354	1.0170	0.2000	-1.8	50.0
1,2,3-Trichlorobenzene	0.9545	0.9357	0.2000	-2.0	50.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Instrument ID: MSD5 Calibration Date: 02/20/2012 Time: 2212

Lab File ID: 50220A19 Init. Calib. Date(s): 02/16/2012 02/16/2012

EPA Sample No. (VSTD#####) : VSTD050PY Init. Calib. Time(s): 1642 2256

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30.0 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF 50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.3309	0.2721	0.0100	-17.7	50.0
Chloroethane-d5	0.3218	0.2518	0.0100	-21.8	50.0
1,1-Dichloroethene-d2	0.7411	0.6769	0.0100	-8.7	50.0
2-Butanone-d5	0.1607	0.1377	0.0100	-14.3	50.0
Chloroform-d	0.6622	0.5740	0.0100	-13.3	50.0
1,2-Dichloroethane-d4	0.4281	0.4115	0.0100	-3.9	50.0
Benzene-d6	1.4372	1.1539	0.0100	-19.7	50.0
1,2-Dichloropropane-d6	0.4845	0.4008	0.0100	-17.3	50.0
Toluene-d8	1.4077	1.1293	0.0100	-19.8	50.0
trans-1,3-Dichloropropene-d4	0.5396	0.4289	0.0100	-20.5	50.0
2-Hexanone-d5	0.1654	0.1240	0.0100	-25.0	50.0
1,4-Dioxane-d8	0.0018	0.0016	0.0050	-10.9	50.0
1,1,2,2-Tetrachloroethane-d2	0.4088	0.3076	0.0100	-24.8	50.0
1,2-Dichlorobenzene-d4	1.0730	0.8673	0.0100	-19.2	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb2012.b\50220A19.D
 Lab Smp Id: VSTD050PY Client Smp ID: VSTD050PY
 Inj Date : 20-FEB-2012 22:12
 Operator : LBS Inst ID: msd5.i
 Smp Info : 5feb2012.b, VSTD050PY
 Misc Info :
 Comment :
 Method : \\Organics\DD\chem\msd5.i\5feb2012.b\CLPLMW-5end.m
 Meth Date : 21-Feb-2012 16:28 lbs Quant Type: ISTD
 Cal Date : 16-FEB-2012 22:56 Cal File: 50216A08.D
 Als bottle: 20 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: som1.2.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	AMOUNTS				
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.713	1.713 (0.263)		95728	50.0000	35.8908
2 Chloromethane	50	1.896	1.896 (0.291)		140603	50.0000	50.6382
\$ 3 Vinyl Chloride-d3	65	1.997	1.997 (0.307)		106006	50.0000	41.1274
4 Vinyl Chloride	62	2.007	2.007 (0.308)		110423	50.0000	44.9819
5 Bromomethane	94	2.342	2.342 (0.360)		92552	50.0000	47.3007
\$ 6 Chloroethane-d5	69	2.383	2.383 (0.366)		98076	50.0000	39.1218
7 Chloroethane	64	2.414	2.414 (0.371)		84818	50.0000	46.8427
8 Trichlorofluoromethane	101	2.688	2.688 (0.413)		210175	50.0000	.52.1075
\$ 9 1,1-Dichloroethene-d2	63	3.165	3.165 (0.486)		263673	50.0000	45.6726
10 1,1-Dichloroethene	96	3.185	3.185 (0.489)		106002	50.0000	47.2801
12 Acetone	43	3.226	3.226 (0.495)		89599	100.000	148.8204
11 1,1,2-Trichloro-1,2,2-trifluo	101	3.205	3.205 (0.492)		117032	50.0000	47.5047
14 Carbon Disulfide	76	3.429	3.429 (0.526)		293219	50.0000	44.9348
15 Methyl Acetate	43	3.571	3.571 (0.548)		101010	50.0000	55.7300
16 Methylene Chloride	84	3.693	3.693 (0.567)		119340	50.0000	47.1759
17 trans-1,2-Dichloroethene	96	3.977	3.977 (0.610)		117596	50.0000	49.4017
18 Methyl tert-Butyl Ether	73	3.967	3.967 (0.609)		301684	50.0000	45.9214
20 1,1-Dichloroethane	63	4.444	4.444 (0.682)		239175	50.0000	52.4387
\$ 21 2-Butanone-d5	46	5.012	5.012 (0.769)		107291	100.000	85.6940(M)
22 2-Butanone	43	5.134	5.134 (0.788)		144008	100.000	98.1527(M)
23 cis-1,2-Dichloroethene	96	5.083	5.083 (0.780)		128374	50.0000	49.5004
25 Bromochloromethane	128	5.358	5.358 (0.822)		69513	50.0000	49.9796
\$ 26 Chloroform-d	84	5.418	5.418 (0.832)		223568	50.0000	43.3396
27 Chloroform	83	5.439	5.439 (0.835)		216490	50.0000	52.7988

SAF
for
CRS
01/21/12

Compounds	QUANT SIG							AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	ON-COL	
28 1,1,1-Trichloroethane	97	5.652	5.652 (0.577)		203718	50.0000	51.3657		
29 Cyclohexane	56	5.713	5.713 (0.583)		257030	50.0000	47.0861		
.31 Carbon Tetrachloride	117	5.835	5.835 (0.596)		182656	50.0000	52.2562		
\$ 32 1,2-Dichloroethane-d4	65	6.007	6.007 (0.922)		160303	50.0000	48.0621		
\$ 33 Benzene-d6	84	6.028	6.028 (0.615)		439698	50.0000	40.1445		
34 Benzene	78	6.078	6.078 (0.621)		437386	50.0000	48.2339		
35 1,2-Dichloroethane	62	6.099	6.099 (0.936)		197184	50.0000	56.3168		
* 36 1,4-Difluorobenzene	114	6.515	6.515 (1.000)		389516	50.0000			
37 Trichloroethene	95	6.819	6.819 (0.696)		134733	50.0000	53.0580		
\$ 38 1,2-Dichloropropane-d6	67	6.992	6.992 (0.714)		152712	50.0000	41.3551		
39 Methylcyclohexane	83	7.043	7.043 (0.719)		220418	50.0000	44.8659		
40 1,2-Dichloropropane	63	7.104	7.104 (0.725)		136082	50.0000	50.8884		
\$ 41 1,4-Dioxane-d8	96	7.195	7.195 (1.104)		12721	1000.00	891.3331		
42 1,4-Dioxane	88	7.256	7.256 (1.114)		15514	1000.00	1211.9855(Q)		
44 Bromodichloromethane	83	7.439	7.439 (0.760)		161009	50.0000	52.6121		
46 cis-1,3-Dichloropropene	75	7.987	7.987 (0.816)		197204	50.0000	47.5255		
47 4-Methyl-2-pentanone	43	8.170	8.170 (0.834)		256290	100.000	104.3917		
\$ 48 Toluene-d8	98	8.312	8.312 (0.849)		430328	50.0000	40.1131		
49 Toluene	91	8.383	8.383 (0.856)		492165	50.0000	48.6571		
\$ 45 trans-1,3-Dichloropropene-d4	79	8.606	8.606 (0.879)		163445	50.0000	39.7454		
50 trans-1,3-Dichloropropene	75	8.637	8.637 (0.882)		177835	50.0000	47.5303		
51 1,1,2-Trichloroethane	97	8.840	8.840 (0.903)		100450	50.0000	47.7112		
52 Tetrachloroethene	164	8.982	8.982 (0.917)		118241	50.0000	50.1951		
\$ 54 2-Hexanone-d5	63	9.043	9.043 (0.923)		94461	100.000	74.9513		
55 2-Hexanone	43	9.093	9.093 (0.928)		170787	100.000	102.3755		
56 Dibromochloromethane	129	9.246	9.246 (0.944)		131933	50.0000	51.4101		
57 1,2-Dibromoethane	107	9.368	9.368 (0.956)		108479	50.0000	47.2581		
* 58 Chlorobenzene-d5	117	9.794	9.794 (1.000)		381044	50.0000			
59 Chlorobenzene	112	9.824	9.824 (1.003)		352915	50.0000	48.5580		
61 Ethylbenzene	91	9.916	9.916 (1.012)		576117	50.0000	48.5950		
62 m+p-Xylenes	106	10.027	10.027 (1.024)		224554	50.0000	48.0871		
63 o-Xylene	106	10.373	10.373 (1.059)		220859	50.0000	48.2047		
64 Styrene	104	10.383	10.383 (1.060)		371417	50.0000	48.7688		
65 Bromoform	173	10.555	10.555 (0.901)		84348	50.0000	50.0758		
66 Isopropylbenzene	105	10.677	10.677 (1.090)		583434	50.0000	48.5494		
\$ 67 1,1,2,2-Tetrachloroethane-d2	84	10.911	10.911 (1.114)		117214	50.0000	37.6249		
68 1,1,2,2-Tetrachloroethane	83	10.931	10.931 (1.116)		109224	50.0000	43.6147		
79 1,3-Dichlorobenzene	146	11.662	11.662 (0.996)		313953	50.0000	49.3205		
* 80 1,4-Dichlorobenzene-d4	152	11.713	11.713 (1.000)		229567	50.0000			
81 1,4-Dichlorobenzene	146	11.733	11.733 (1.002)		320271	50.0000	48.7679		
\$ 83 1,2-Dichlorobenzene-d4	152	11.997	11.997 (1.024)		199105	50.0000	40.4147		
84 1,2-Dichlorobenzene	146	12.007	12.007 (1.025)		305281	50.0000	49.5766		
85 1,2-Dibromo-3-chloropropane	75	12.555	12.555 (1.072)		22898	50.0000	49.1122		
86 1,2,4-Trichlorobenzene	180	13.114	13.114 (1.120)		233461	50.0000	49.1088		
89 1,2,3-Trichlorobenzene	180	13.449	13.449 (1.148)		214805	50.0000	49.0144		

QC Flag Legend

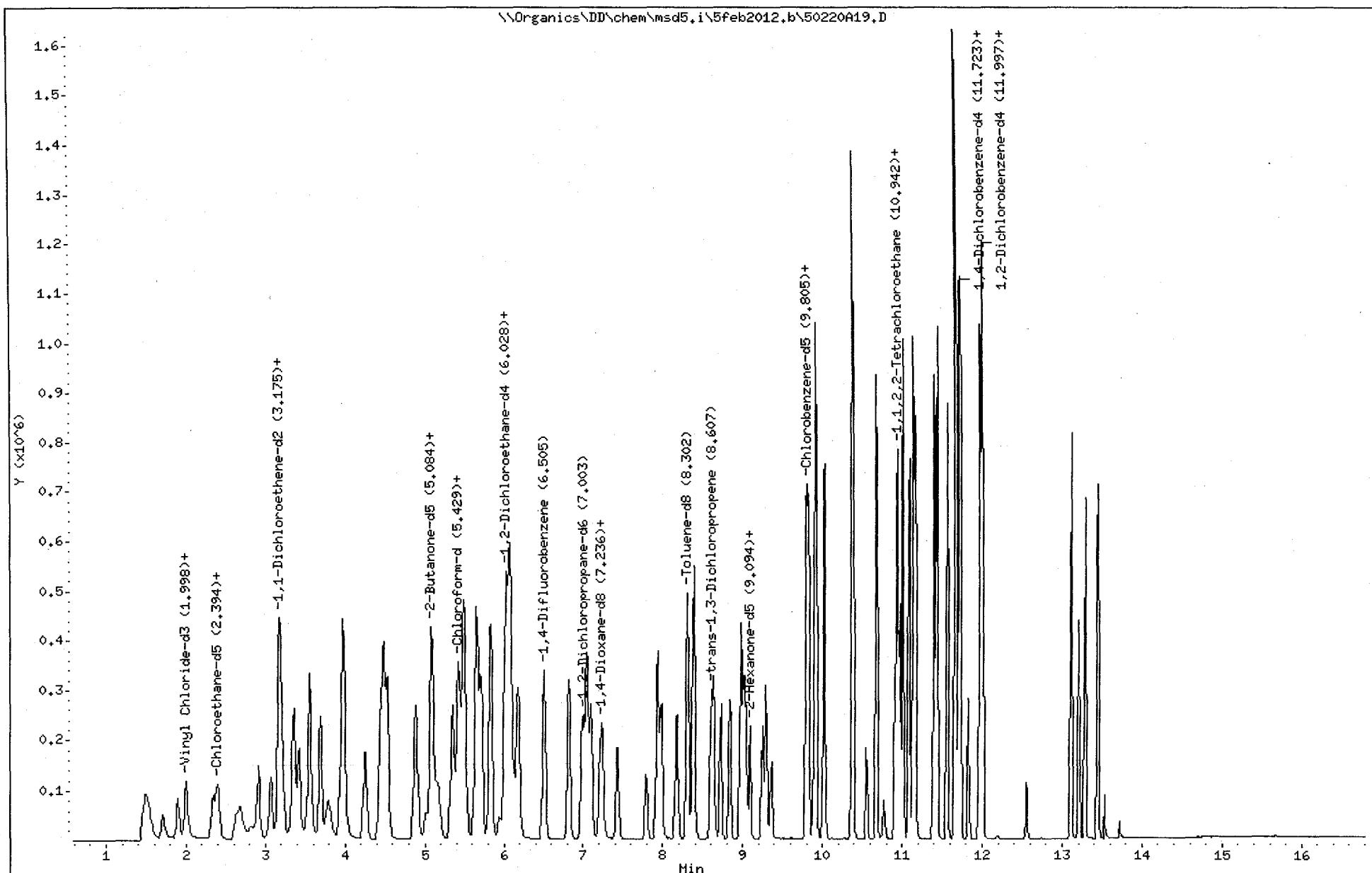
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: \\Organics\DD\chem\msd5.i\5feb2012.b\50220A19.D
Date : 20-FEB-2012 22:12
Client ID: VSTD050PY
Sample Info: 5feb2012.b, VSTD050PY
Purge Volume: 5.0
Column phase: DB-624

Instrument: msd5.i
Operator: LBS
Column diameter: 0.25

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Inj. Date and Time: 20-FEB-2012 22:12

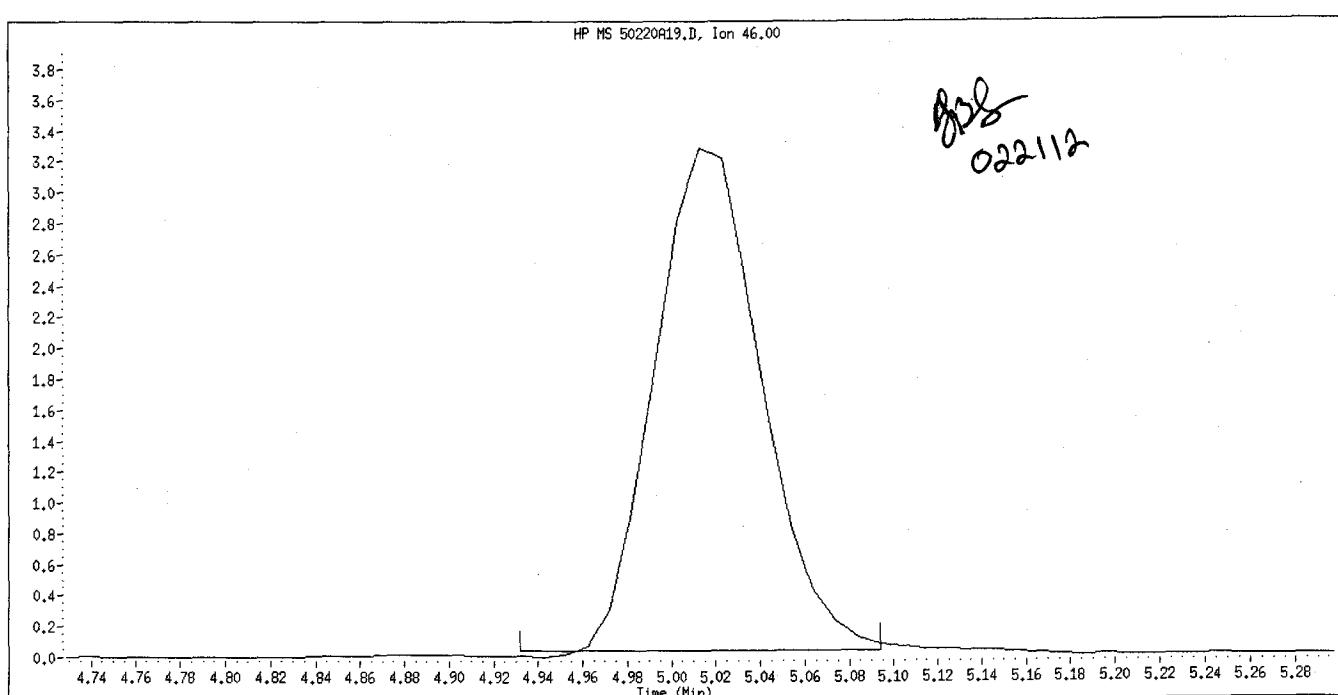
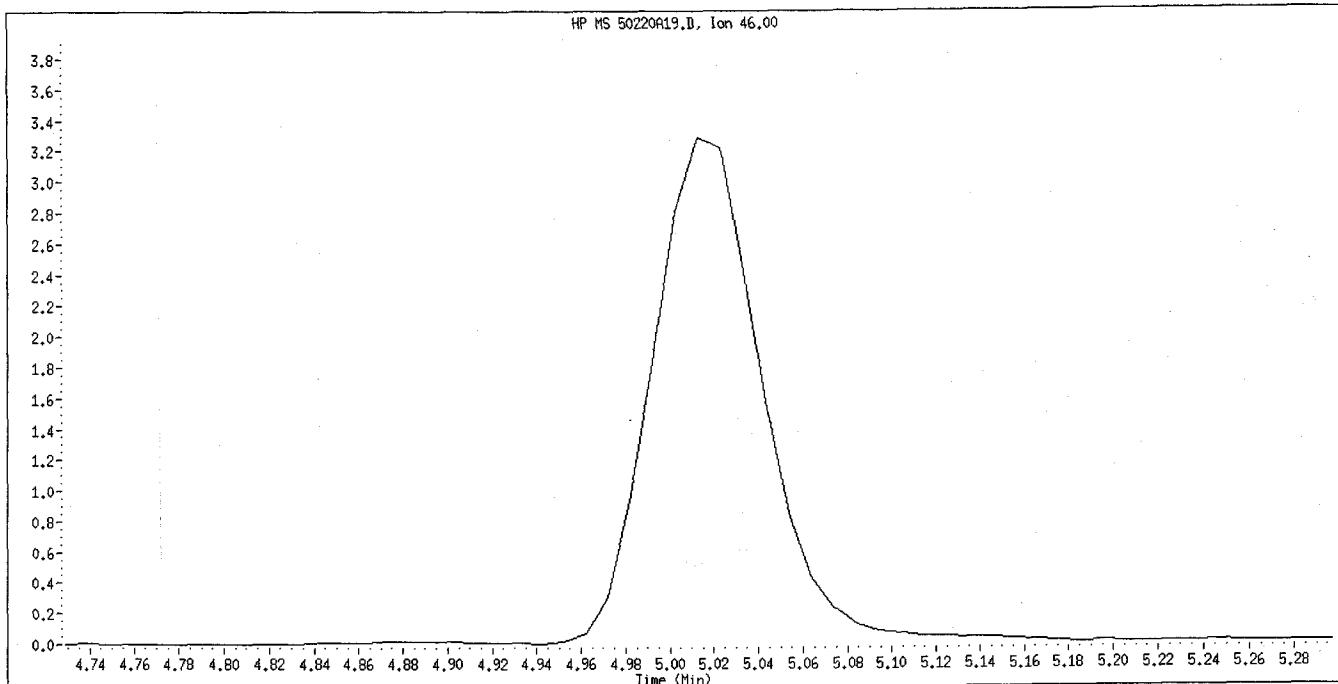
Instrument ID: msd5.i

Client ID: VSTD050PY

Compound Name: 2-Butanone-d5

CAS #: 24313-50-6

Report Date: 02/21/2012

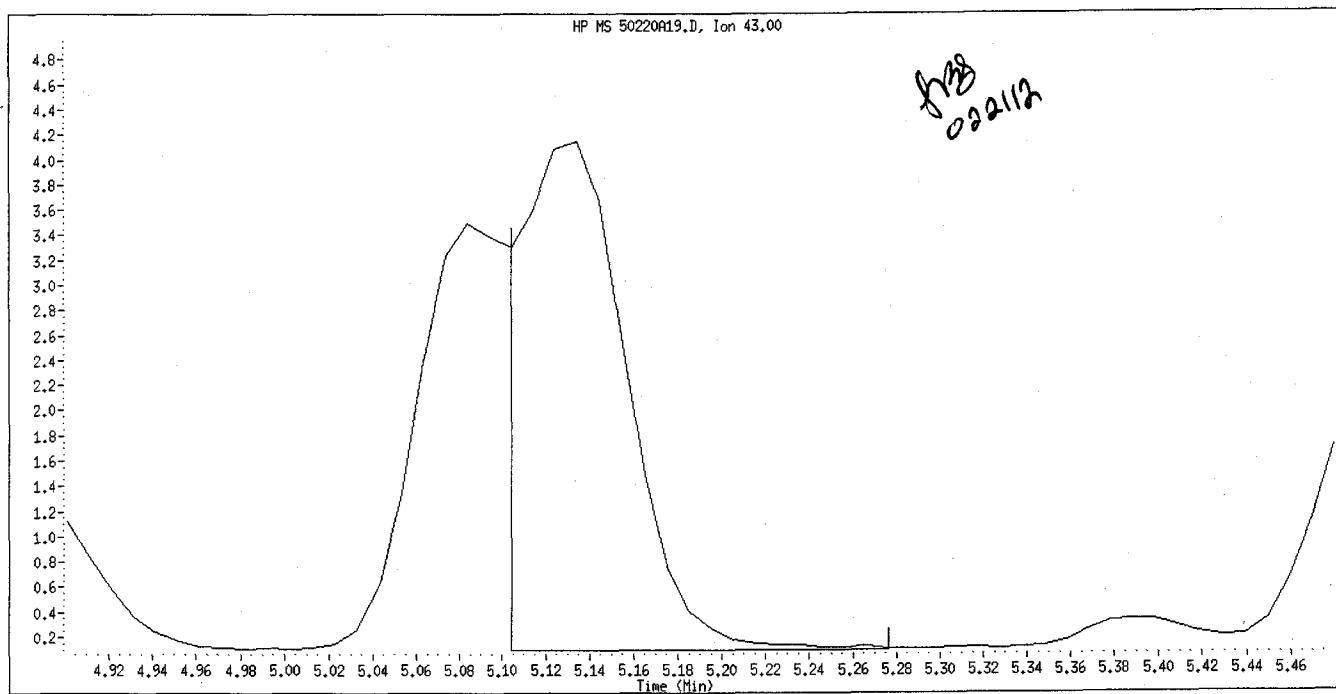
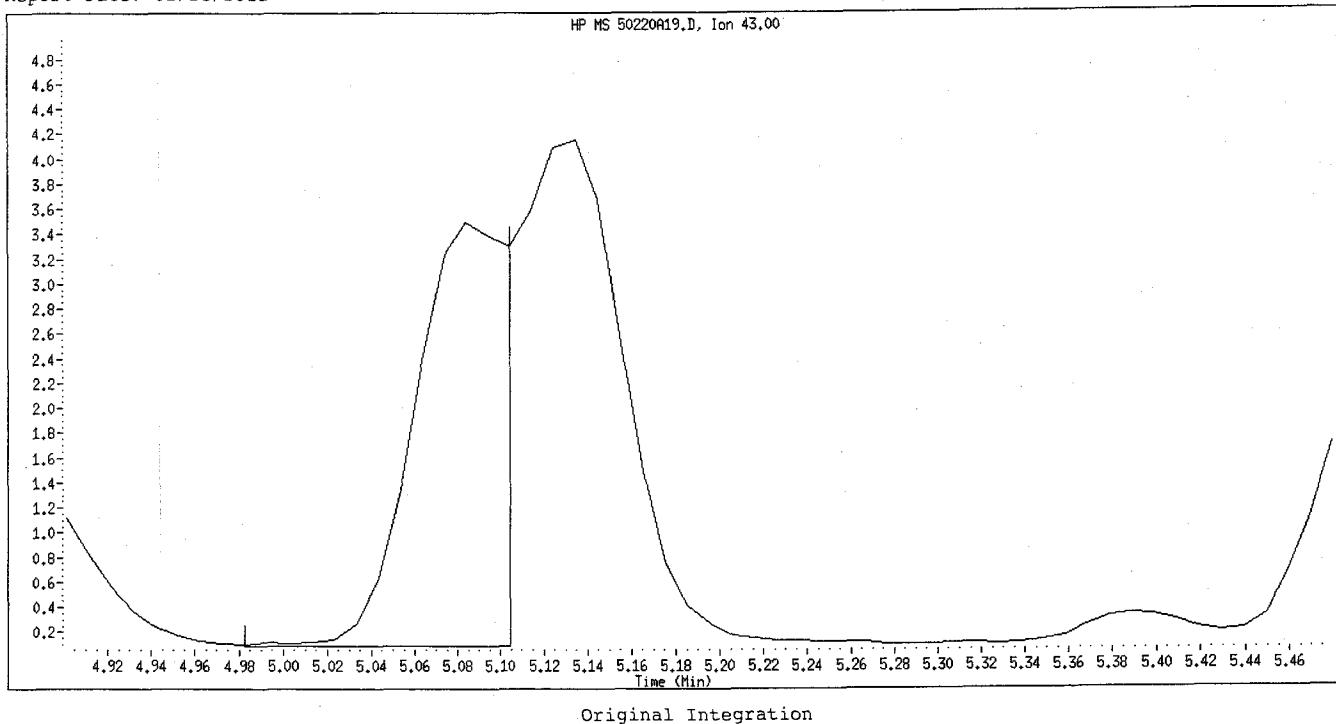


Manual Integration

Manually Integrated By: LBS

Manual Integration Reason: Unknown

Data File Name: 50220A19.D
Inj. Date and Time: 20-FEB-2012 22:12
Instrument ID: msd5.i
Client ID: VSTD050PY
Compound Name: 2-Butanone
CAS #: 78-93-3
Report Date: 02/21/2012



Manual Integration

Manually Integrated By: LBS
Manual Integration Reason: Unknown

4. Raw QC Data

- a. BFB Data**
- b. Blank Data**
- c. Matrix Spike Data**
- d. Matrix Spike Duplicate Data**

a. BFB Data

Arrange in chronological order, by instrument.

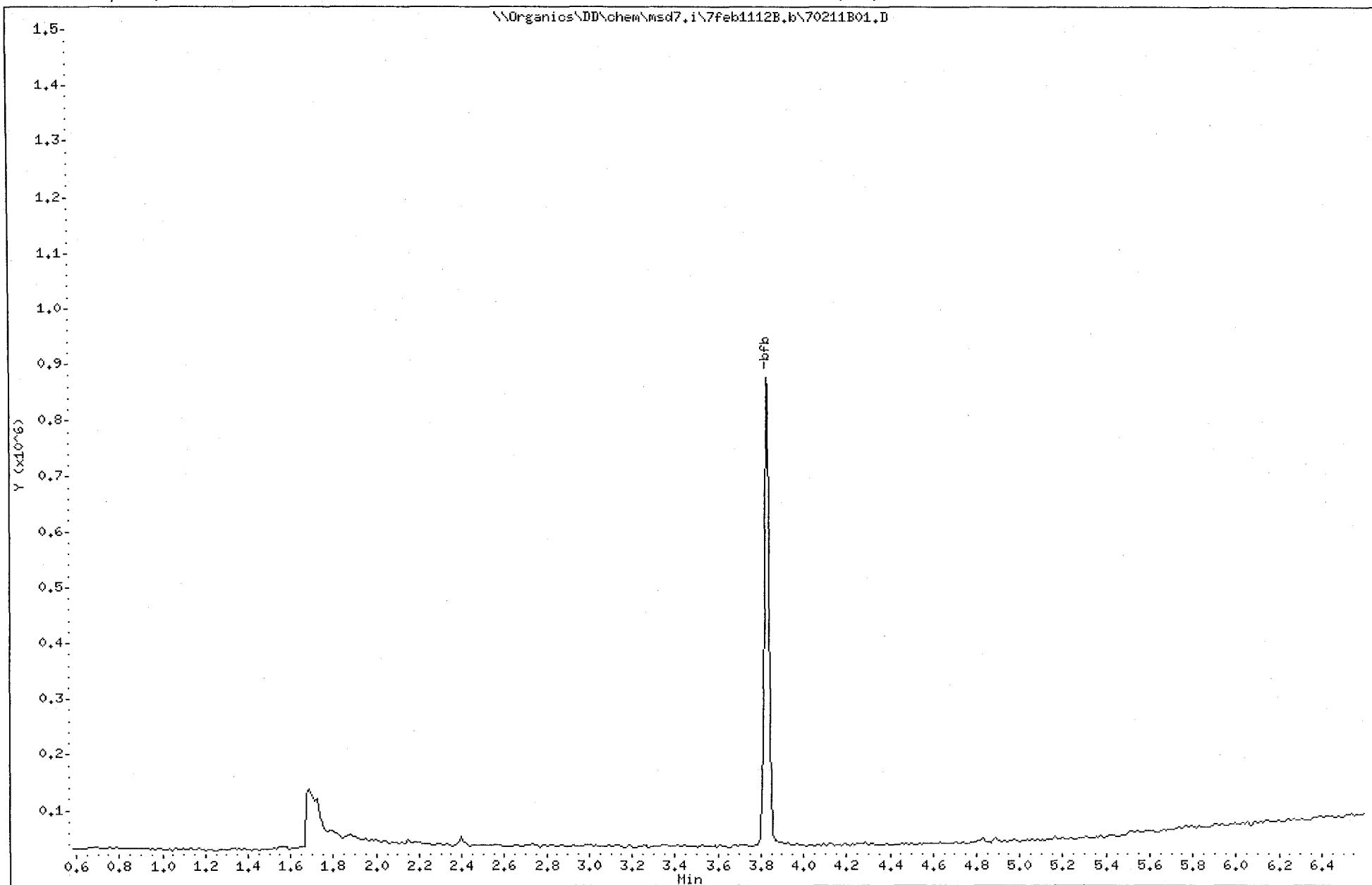
- Reconstructed total ion chromatogram
- Bar Graph spectrum and Tabulated Relative Abundances
- Mass listing

Data File: \\Organics\DD\chem\msd7.i\7feb1112B.b\70211B01.D
Date : 11-FEB-2012 16:51
Client ID: BFBMT
Sample Info: 7feb1112B.b, BFBMT
Volume Injected (uL): 2.0
Column phase: DB-624

Instrument: msd7.i
Operator: LBS
Column diameter: 0.25

Page 2

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Date : 11-FEB-2012 16:51

Client ID: BFBMT

Instrument: msd7.i

Sample Info: 7feb1112B.b, BFBMT

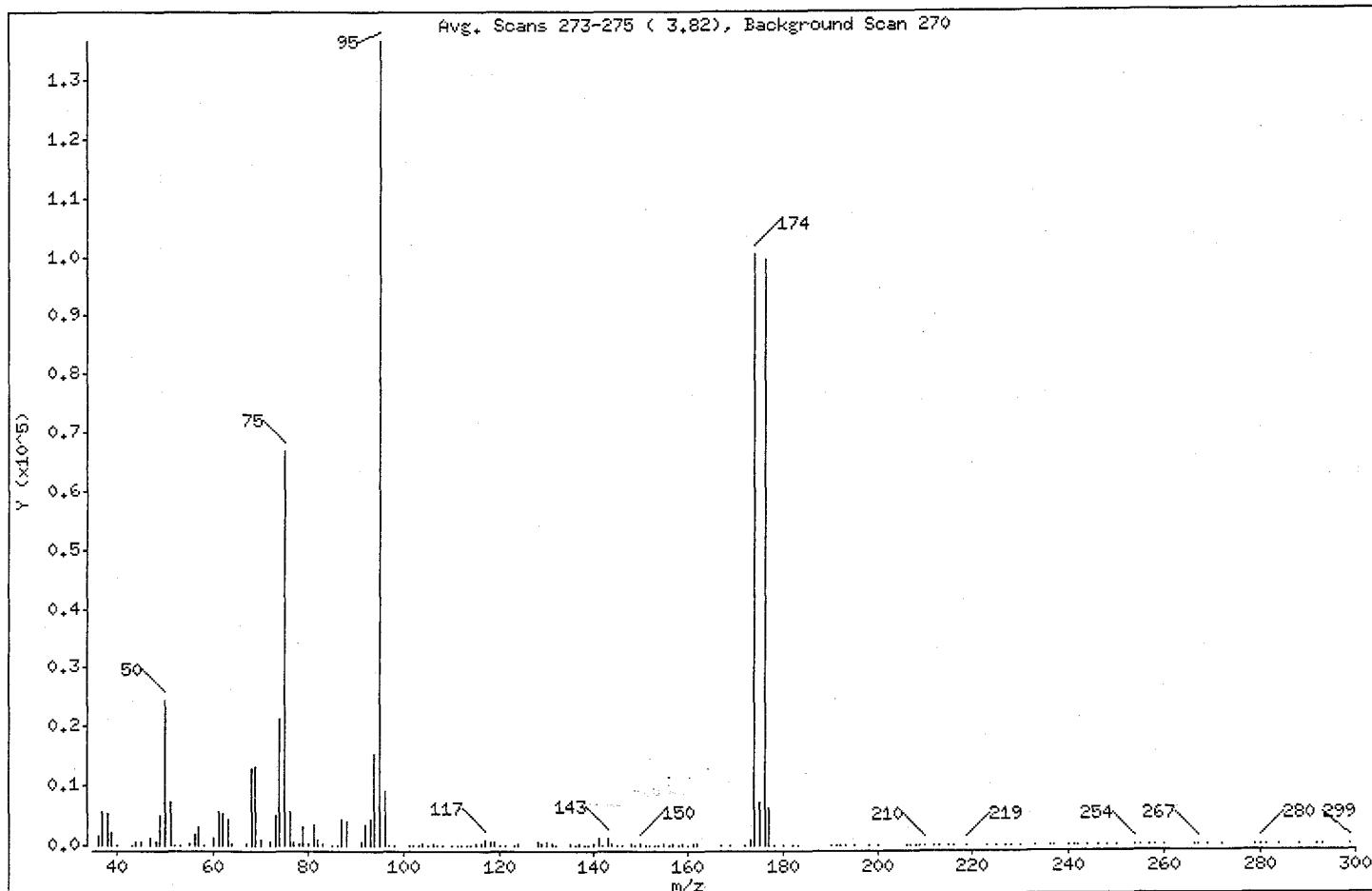
Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
		ABUNDANCE	CRITERIA
95	Base Peak, 100% relative abundance	100.00	
50	15.00 - 40.00% of mass 95	17.92	
75	30.00 - 80.00% of mass 95	48.96	
96	5.00 - 9.00% of mass 95	6.65	
173	Less than 2.00% of mass 174	0.60 (< 0.82)	
174	50.00 - 120.00% of mass 95	73.66	
175	5.00 - 9.00% of mass 174	5.38 (< 7.31)	
176	95.00 - 101.00% of mass 174	72.83 (< 98.87)	
177	5.00 - 9.00% of mass 176	4.53 (< 6.22)	

Date : 11-FEB-2012 16:51

Client ID: BFBMT

Instrument: msd7.i

Sample Info: 7feb1112B.b, BFBMT

Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25

Data File: 70211B01.D

Spectrum: Avg. Scans 273-275 (3.82), Background Scan 270

Location of Maximum: 95.00

Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
I 36.00	1538	I 87.00	4493	I 140.00	239	I 207.00	62
I 37.00	5588	I 88.00	4035	I 141.00	1192	I 208.00	112
I 38.00	5184	I 91.00	554	I 142.00	127	I 209.00	61
I 39.00	2079	I 92.00	3366	I 143.00	1195	I 210.00	134
I 40.00	24	I 93.00	4554	I 144.00	189	I 212.00	30
I 43.00	72	I 94.00	15536	I 145.00	90	I 213.00	60
I 44.00	556	I 95.00	136640	I 146.00	127	I 215.00	42
I 45.00	754	I 96.00	9083	I 148.00	205	I 216.00	57
I 47.00	1333	I 97.00	147	I 149.00	80	I 219.00	91
I 48.00	473	I 98.00	77	I 150.00	416	I 223.00	39
I 49.00	5096	I 101.00	40	I 151.00	24	I 225.00	64
I 50.00	24488	I 102.00	85	I 152.00	66	I 227.00	73
I 51.00	7321	I 103.00	13	I 153.00	35	I 228.00	16
I 52.00	5	I 104.00	440	I 154.00	155	I 230.00	66
I 53.00	50	I 105.00	43	I 155.00	311	I 233.00	58
I 55.00	161	I 106.00	430	I 156.00	103	I 236.00	44
I 56.00	1864	I 107.00	108	I 157.00	234	I 237.00	17
I 57.00	3008	I 108.00	100	I 158.00	118	I 240.00	40
I 58.00	68	I 110.00	37	I 159.00	191	I 241.00	39
I 60.00	1167	I 111.00	81	I 160.00	46	I 242.00	51
I 61.00	5704	I 112.00	44	I 161.00	165	I 244.00	18
I 62.00	5393	I 113.00	63	I 162.00	173	I 246.00	17
I 63.00	4374	I 114.00	65	I 167.00	39	I 248.00	22
I 64.00	262	I 115.00	240	I 168.00	22	I 250.00	26
I 67.00	325	I 116.00	373	I 172.00	84	I 254.00	58
I 68.00	12968	I 117.00	1006	I 173.00	822	I 255.00	24
I 69.00	13137	I 118.00	481	I 174.00	100648	I 257.00	18
I 70.00	856	I 119.00	654	I 175.00	7355	I 258.00	28
I 72.00	648	I 120.00	131	I 176.00	99512	I 260.00	63
I 73.00	4874	I 121.00	24	I 177.00	6194	I 266.00	25
I 74.00	21296	I 123.00	124	I 178.00	111	I 267.00	111
I 75.00	66904	I 124.00	194	I 180.00	17	I 269.00	43
I 76.00	5576	I 128.00	520	I 182.00	78	I 272.00	19
I 77.00	680	I 129.00	161	I 183.00	23	I 279.00	38
I 78.00	331	I 130.00	551	I 190.00	62	I 280.00	61

Date : 11-FEB-2012 16:51

Client ID: BFBMT

Instrument: msd7.i

Sample Info: 7feb1112B.b, BFBMT

Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25

Data File: 70211B01.D

Spectrum: Avg. Scans 273-275 (3.82), Background Scan 270

Location of Maximum: 95.00

Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 79.00	3063 | 131.00	| 177 | 191.00	| 57 | 281.00	| 2 |			
| 80.00	266 | 132.00	| 13 | 192.00	| 92 | 284.00	| 18 |			
| 81.00	3479 | 135.00	| 174 | 193.00	| 52 | 288.00	| 21 |			
| 82.00	830 | 136.00	| 143 | 195.00	| 5 | 292.00	| 54 |			
| 83.00	203 | 137.00	| 284 | 198.00	| 79 | 293.00	| 45 |			
| 85.00	135 | 138.00	| 53 | 200.00	| 49 | 299.00	| 29 |			
| 86.00	117 | 139.00	| 144 | 206.00	| 19 |	|			

Date : 16-FEB-2012 16:16

Client ID: BFB0J

Instrument: msd5.i

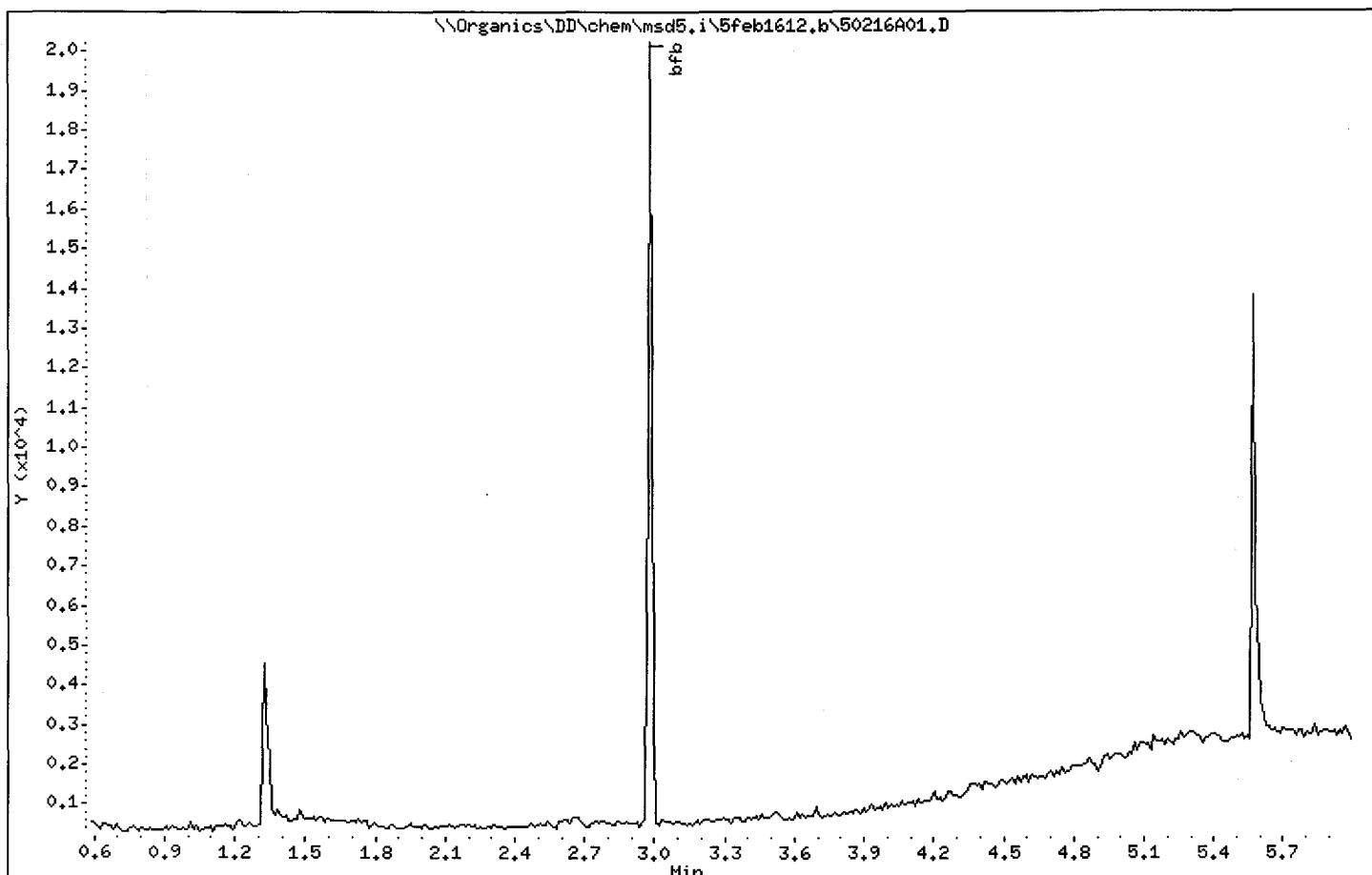
Sample Info: 5feb1612.b, BFB0J

Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25



Date : 16-FEB-2012 16:16

Client ID: BFBOJ

Instrument: msd5.i

Sample Info: 5feb1612.b, BFBOJ

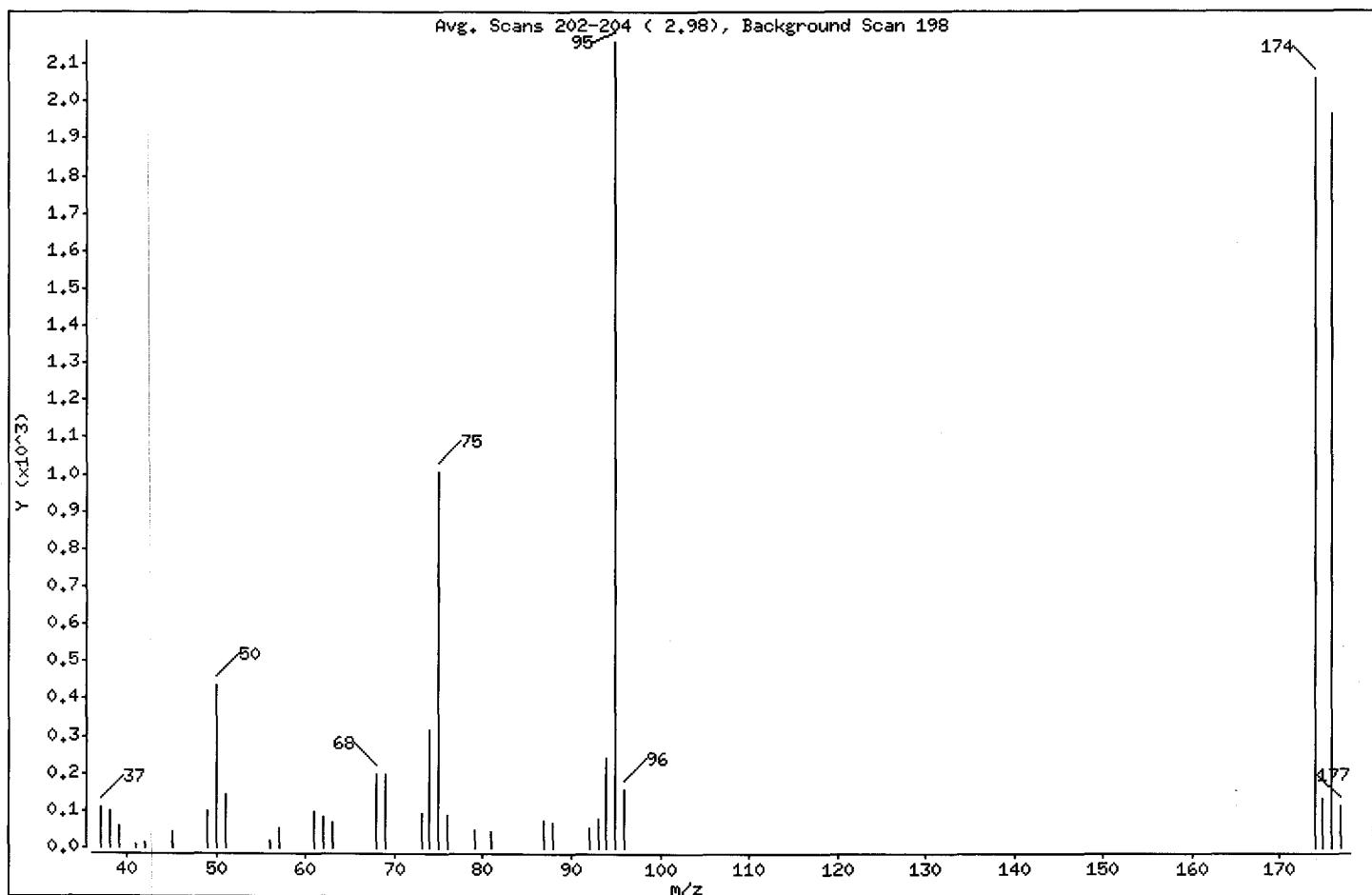
Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
| 95 | Base Peak, 100% relative abundance	| 100.00	|
| 50 | 15.00 - 40.00% of mass 95	| 20.14	|
| 75 | 30.00 - 80.00% of mass 95	| 46.76	|
| 96 | 5.00 - 9.00% of mass 95	| 7.41	|
| 173 | Less than 2.00% of mass 174	| 0.00 (< 0.00)	|
| 174 | 50.00 - 120.00% of mass 95	| 95.32	|
| 175 | 5.00 - 9.00% of mass 174	| 6.25 (< 6.56)	|
| 176 | 95.00 - 101.00% of mass 174	| 91.06 (< 95.53)	|
| 177 | 5.00 - 9.00% of mass 176	| 5.37 (< 5.90)	|

Date : 16-FEB-2012 16:16

Client ID: BFB0J

Instrument: msd5.i

Sample Info: 5feb1612.b, BFB0J

Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25

Data File: 50216A01.D

Spectrum: Avg. Scans 202-204 (2.98), Background Scan 198

Location of Maximum: 95.00

Number of points: 33

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 37.00	107 |	56.00	21 |	75.00	1010 |	95.00	2160 |
| 38.00	100 |	57.00	54 |	76.00	89 |	96.00	160 |
| 39.00	58 |	61.00	99 |	79.00	52 |	174.00	2059 |
| 41.00	9 |	62.00	86 |	81.00	47 |	175.00	135 |
| 42.00	17 |	63.00	71 |	87.00	73 |	176.00	1967 |
| 45.00	44 |	68.00	201 |	88.00	69 |	177.00	116 |
| 49.00	100 |	69.00	200 |	92.00	53 |		|
| 50.00	435 |	73.00	95 |	93.00	80 |		|
| 51.00	143 |	74.00	319 |	94.00	241 |		|

Date : 20-FEB-2012 10:27

Client ID: BFBPT

Instrument: msd5.i

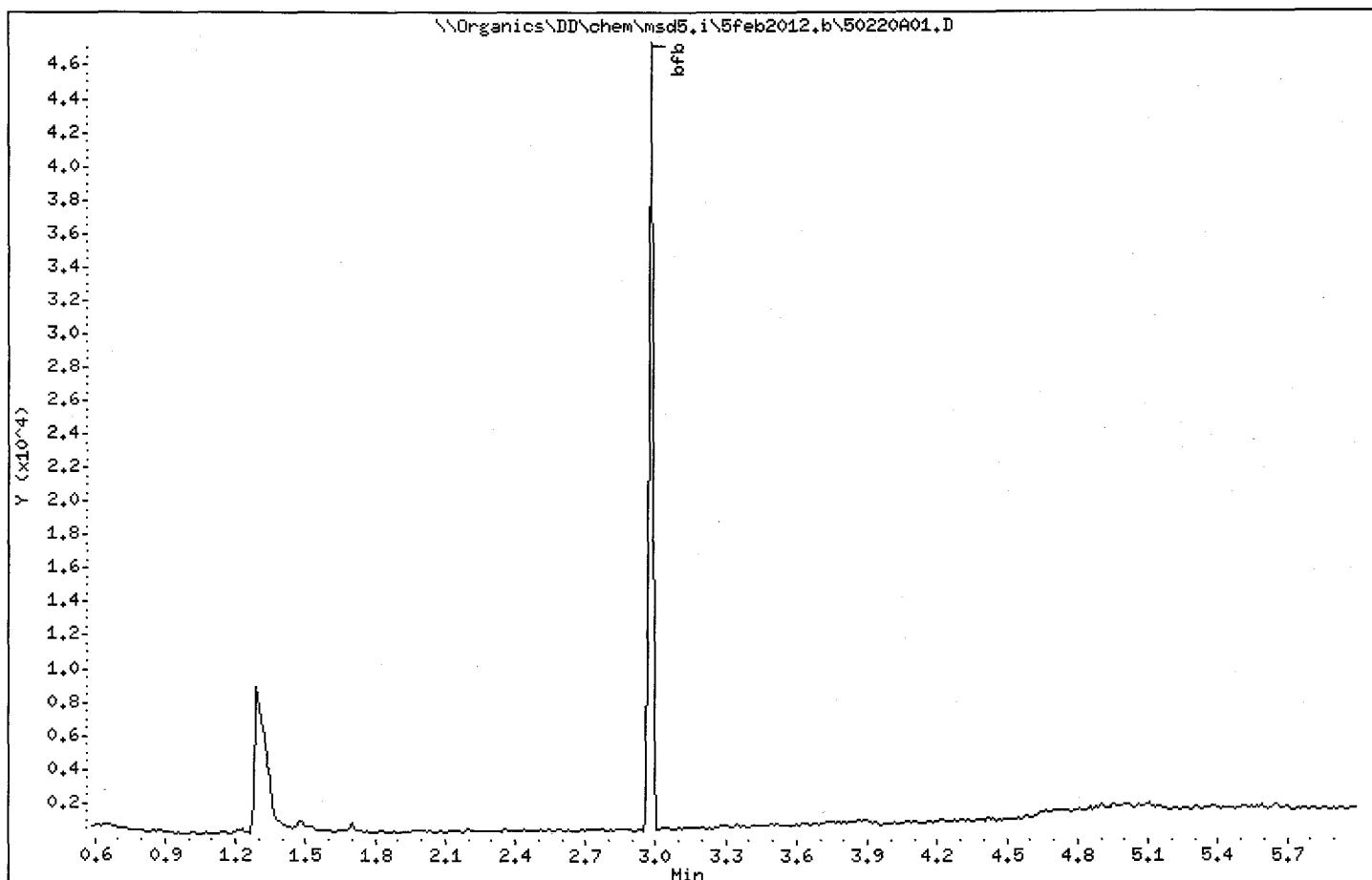
Sample Info: 5feb2012.b, BFBPT

Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25



Date : 20-FEB-2012 10:27

Client ID: BFBPT

Instrument: msd5.i

Sample Info: 5feb2012.b, BFBPT

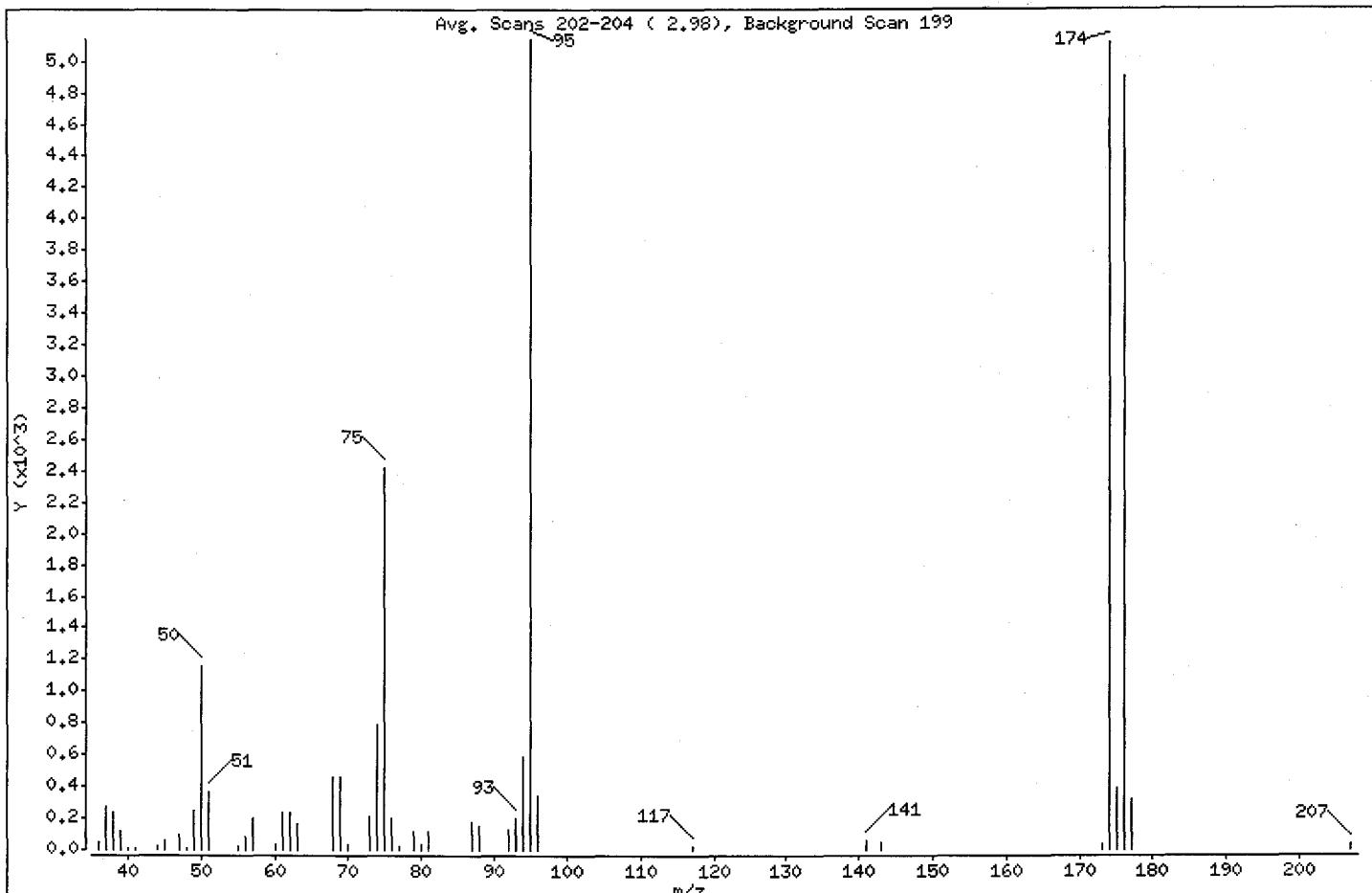
Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25

1 bfb



% RELATIVE
ABUNDANCE

m/e ION ABUNDANCE CRITERIA

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	I Base Peak, 100% relative abundance	100.00
50	I 15.00 - 40.00% of mass 95	22.64
75	I 30.00 - 80.00% of mass 95	47.10
96	I 5.00 - 9.00% of mass 95	6.62
173	I Less than 2.00% of mass 174	0.76 (< 0.76)
174	I 50.00 - 120.00% of mass 95	99.57
175	I 5.00 - 9.00% of mass 174	7.61 (< 7.64)
176	I 95.00 - 101.00% of mass 174	95.41 (< 95.82)
177	I 5.00 - 9.00% of mass 176	6.15 (< 6.45)

Date : 20-FEB-2012 10:27

Client ID: BFBPT

Instrument: msd5.i

Sample Info: 5feb2012.b, BFBPT

Volume Injected (uL): 2.0

Operator: LBS

Column phase: DB-624

Column diameter: 0.25

Data File: 50220A01.D

Spectrum: Avg. Scans 202-204 (2.98), Background Scan 199

Location of Maximum: 95.00

Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
| 36.00	53 |	51.00		362 |	74.00	790 |	95.00
| 37.00	273 |	55.00		20 |	75.00	2420 |	96.00
| 38.00	236 |	56.00		83 |	76.00	199 |	117.00
| 39.00	115 |	57.00		197 |	77.00	18 |	141.00
| 40.00	10 |	60.00		40 |	79.00	119 |	143.00
| 41.00	6 |	61.00		232 |	80.00	35 |	173.00
| 44.00	23 |	62.00		231 |	81.00	123 |	174.00
| 45.00	64 |	63.00		169 |	87.00	175 |	175.00
| 47.00	96 |	68.00		462 |	88.00	149 |	176.00
| 48.00	16 |	69.00		460 |	92.00	133 |	177.00
| 49.00	253 |	70.00		39 |	93.00	196 |	207.00
| 50.00	1163 |	73.00		215 |	94.00	586 |	

b. Blank Data

Arrange by type of blank (method, storage, instrument) in chronological order, by instrument.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPL

Lab Name: Shealy Environmental Services, Inc.Contract: EP-W-11-035Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6Matrix: (SOIL/SED/WATER) WaterLab Sample ID: NQ77649-001Sample wt/vol: 5.00 (g/mL) mLLab File ID: 70212A03Level: (TRACE/LOW/MED) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/12/2012GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPL

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NQ77649-001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 70212A03

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKPL

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NQ77649-001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 70212A03

Level: (TRACE or LOW/MED) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 02/12/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A03.D
Lab Smp Id: VBLKPL Client Smp ID: VBLKPL
Inj Date : 12-FEB-2012 04:16
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, VBLKPL
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 37 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: std.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	FINAL
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl Chloride-d3	65		1.998	1.998 (0.312)		793066	49.7913	49.7912
4 Vinyl Chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		2.377	2.377 (0.372)		959638	56.4227	56.4226
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		3.148	3.148 (0.492)		1425269	40.0716	40.0715
10 1,1,2-Trichloro-1,2,2-trifluo	101							
11 1,1-Dichloroethene	96							
12 Acetone	43							
13 Carbon Disulfide	76							
14 Methyl Acetate	43							
15 Methylene Chloride	84							
16 Methyl tert-Butyl Ether	73							
17 trans-1,2-Dichloroethene	96							
18 1,1-Dichloroethane	63							
\$ 19 2-Butanone-d5	46		4.915	4.915 (0.768)		1135883	85.2215	85.2214
20 cis-1,2-Dichloroethene	96							
21 2-Butanone	43							
22 Bromochloromethane	128							
\$ 23 Chloroform-d	84		5.306	5.306 (0.829)		1750624	48.5972	48.5971
24 Chloroform	83							

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
25 1,1,1-Trichloroethane	97					Compound Not Detected.		
26 Cyclohexane	56					Compound Not Detected.		
27 Carbon Tetrachloride	117					Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.887	5.887 (0.920)		1142490	49.2821	49.2820	
\$ 29 Benzene-d6	84	5.923	5.923 (0.583)		4142776	50.4207	50.4206	
30 Benzene	78					Compound Not Detected.		
31 1,2-Dichloroethane	62					Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	6.397	6.397 (1.000)		3624532	50.0000		
33 Trichloroethene	95					Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.860	6.859 (0.675)		1206088	50.9021	50.9021	
35 Methylcyclohexane	83					Compound Not Detected.		
36 1,2-Dichloropropene	63					Compound Not Detected.		
37 Bromodichloromethane	83					Compound Not Detected.		
38 1,4-Dioxane	88					Compound Not Detected.		
\$ 39 1,4-Dioxane-d8	96	7.061	7.061 (1.104)		227497	525.283	525.2827	
\$ 40 trans-1,3-Dichloropropene-d4	79	7.796	7.796 (0.768)		2176623	46.4105	46.4104	
41 cis-1,3-Dichloropropene	75					Compound Not Detected.		
42 4-Methyl-2-pentanone	43					Compound Not Detected.		
\$ 43 Toluene-d8	98	8.188	8.188 (0.806)		3879247	49.3358	49.3358	
44 Toluene	91					Compound Not Detected.		
45 trans-1,3-Dichloropropene	75					Compound Not Detected.		
46 1,1,2-Trichloroethane	97					Compound Not Detected.		
47 Tetrachloroethene	164					Compound Not Detected.		
\$ 48 2-Hexanone-d5	63	9.148	9.148 (0.901)		1040366	76.5059	76.5059 (Q)	
49 2-Hexanone	43					Compound Not Detected.		
50 Dibromochloromethane	129					Compound Not Detected.		
51 1,2-Dibromoethane	107					Compound Not Detected.		
* 52 Chlorobenzene-d5	117	10.156	10.156 (1.000)		3273729	50.0000		
53 Chlorobenzene	112					Compound Not Detected.		
54 Ethylbenzene	91					Compound Not Detected.		
55 m+p-Xylenes	106					Compound Not Detected.		
56 o-Xylene	106					Compound Not Detected.		
57 Styrene	104					Compound Not Detected.		
58 Bromoform	173					Compound Not Detected.		
59 Isopropylbenzene	105					Compound Not Detected.		
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	11.520	11.520 (1.134)		1399693	45.7324	45.7324	
61 1,1,2,2-Tetrachloroethane	83					Compound Not Detected.		
62 1,3-Dichlorobenzene	146					Compound Not Detected.		
* 63 1,4-Dichlorobenzene-d4	152	12.445	12.445 (1.000)		1807104	50.0000		
64 1,4-Dichlorobenzene	146					Compound Not Detected.		
\$ 65 1,2-Dichlorobenzene-d4	152	12.753	12.753 (1.025)		1602025	49.6301	49.6301	
66 1,2-Dichlorobenzene	146					Compound Not Detected.		
67 1,2-Dibromo-3-chloropropane	75					Compound Not Detected.		
68 1,2,4-Trichlorobenzene	180					Compound Not Detected.		
69 1,2,3-Trichlorobenzene	180					Compound Not Detected.		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd7.i\7feb1212.b\70212A03.D
Lab Smp Id: VBLKPL Client Smp ID: VBLKPL
Inj Date : 12-FEB-2012 04:16
Operator : LBS Inst ID: msd7.i
Smp Info : 7feb1212.b, VBLKPL
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd7.i\7feb1212.b\CLPLMW-7.m
Meth Date : 22-Feb-2012 12:14 lmw Quant Type: ISTD
Cal Date : 11-FEB-2012 14:30 Cal File: 70211a10.D
Als bottle: 37 QC Sample: BLANK
Dil Factor: 1.00000 Compound Sublist: std.sub
Integrator: Falcon
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\DD\chem\msd7.i\7feb1212.b\70212A03.D

Date : 12-FEB-2012 04:16

Client ID: VBLKPL

Sample Info: 7feb1212.b, VBLKPL

Purge Volume: 5.0

Column phase: DB-624

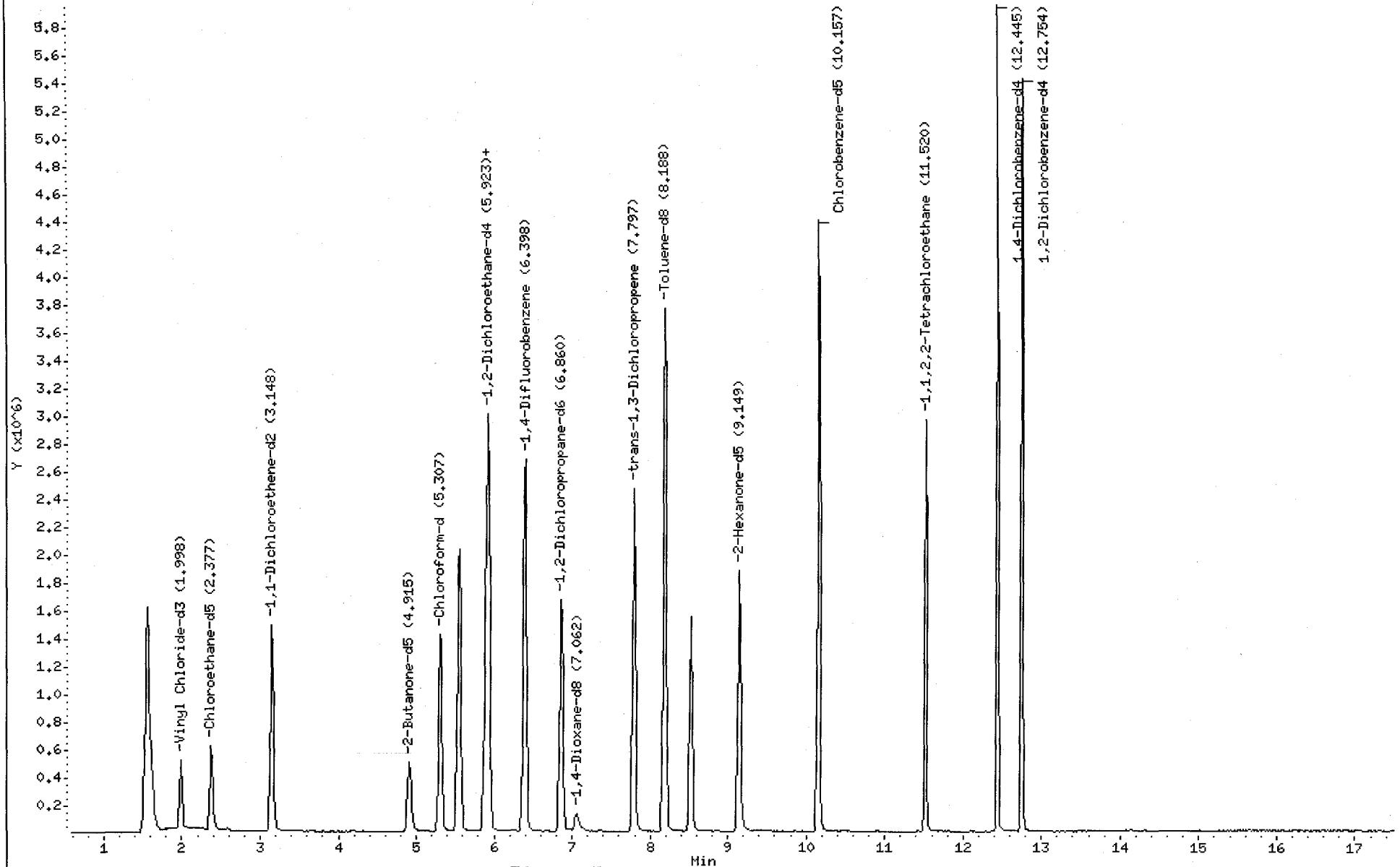
Page 4

Instrument: msd7.i

Operator: LBS

Column diameter: 0.25

\\Organics\DD\chem\msd7.i\7feb1212.b\70212A03.D



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPT

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NQ78238-001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 50220A03

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 02/20/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	0.50	J
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	57	J

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPT

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: NQ78238-001

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: 50220A03

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 02/20/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKPT

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NQ78238-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 50220A03

Level: (TRACE or LOW/MED) LOW

Date Received: _____

% Moisture: not dec.

Date Analyzed: 02/20/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	10.680	20	J
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb2012.b\50220A03.D
Lab Smp Id: VBLKPT Client Smp ID: VBLKPT
Inj Date : 20-FEB-2012 12:55
Operator : LBS Inst ID: msd5.i
Smp Info : 5feb2012.b, VBLKPT
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd5.i\5feb2012.b\CLPLMW-5.m
Meth Date : 22-Feb-2012 12:16 lmw Quant Type: ISTD
Cal Date : 16-FEB-2012 22:56 Cal File: 50216A08.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: som1.2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl Chloride-d3	65		1.998	1.987 (0.307)		126560	50.4457 50.4457
4 Vinyl Chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69		2.393	2.383 (0.368)		117188	48.0249 48.0249
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63		3.175	3.165 (0.488)		235153	41.8474 41.8473
10 1,1-Dichloroethene	96						
12 Acetone	43						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
14 Carbon Disulfide	76						
15 Methyl Acetate	43						
16 Methylene Chloride	84						
17 trans-1,2-Dichloroethene	96						
18 Methyl tert-Butyl Ether	73						
20 1,1-Dichloroethane	63						
\$ 21 2-Butanone-d5	46		5.013	5.002 (0.771)		84950	69.7072 69.7071
22 2-Butanone	43						
23 cis-1,2-Dichloroethene	96						
25 Bromochloromethane	128						
\$ 26 Chloroform-d	84		5.409	5.398 (0.831)		235160	46.8345 46.8344 (Q)
27 Chloroform	83		5.429	5.419 (0.835)		2011	0.50388 0.5038 (aQ)
28 1,1,1-Trichloroethane	97						

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	
		====	=====	=====	=====	=====	=====
29 Cyclohexane		56				Compound Not Detected.	
31 Carbon Tetrachloride		117				Compound Not Detected.	
\$ 32 1,2-Dichloroethane-d4		65	6.008	5.997 (0.924)	156987	48.3562	48.3561
\$ 33 Benzene-d6		84	6.028	6.018 (0.615)	478123	43.9107	43.9106
34 Benzene		78				Compound Not Detected.	
35 1,2-Dichloroethane		62				Compound Not Detected.	
* 36 1,4-Difluorobenzene		114	6.505	6.505 (1.000)	379139	50.0000	
37 Trichloroethene		95				Compound Not Detected.	
\$ 38 1,2-Dichloropropane-d6		67	6.992	6.992 (0.714)	148856	40.5491	40.5491
39 Methylcyclohexane		83				Compound Not Detected.	
40 1,2-Dichloropropane		63				Compound Not Detected.	
\$ 41 1,4-Dioxane-d8		96	7.185	7.185 (1.105)	7442	535.717	535.7168
42 1,4-Dioxane		88	7.256	7.246 (1.115)	716	57.4663	57.4663(aQ)
44 Bromodichloromethane		83				Compound Not Detected.	
46 cis-1,3-Dichloropropene		75				Compound Not Detected.	
47 4-Methyl-2-pentanone		43				Compound Not Detected.	
\$ 48 Toluene-d8		98	8.302	8.302 (0.848)	461825	43.3035	43.3035
49 Toluene		91				Compound Not Detected.	
\$ 45 trans-1,3-Dichloropropene-d4		79	8.606	8.606 (0.879)	174739	42.7429	42.7429
50 trans-1,3-Dichloropropene		75				Compound Not Detected.	
51 1,1,2-Trichloroethane		97				Compound Not Detected.	
52 Tetrachloroethene		164				Compound Not Detected.	
\$ 54 2-Hexanone-d5		63	9.043	9.043 (0.923)	72521	57.8827	57.8827(Q)
55 2-Hexanone		43				Compound Not Detected.	
56 Dibromochloromethane		129				Compound Not Detected.	
57 1,2-Dibromoethane		107				Compound Not Detected.	
* 58 Chlorobenzene-d5		117	9.794	9.794 (1.000)	378806	50.0000	
59 Chlorobenzene		112				Compound Not Detected.	
61 Ethylbenzene		91				Compound Not Detected.	
62 m+p-Xylenes		106				Compound Not Detected.	
63 o-Xylene		106				Compound Not Detected.	
64 Styrene		104				Compound Not Detected.	
65 Bromoform		173				Compound Not Detected.	
66 Isopropylbenzene		105				Compound Not Detected.	
\$ 67 1,1,2,2-Tetrachloroethane-d2		84	10.911	10.911 (1.114)	131353	42.4125	42.4125
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
79 1,3-Dichlorobenzene		146				Compound Not Detected.	
* 80 1,4-Dichlorobenzene-d4		152	11.713	11.713 (1.000)	237714	50.0000	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
\$ 83 1,2-Dichlorobenzene-d4		152	11.997	11.997 (1.024)	221389	43.3979	43.3978
84 1,2-Dichlorobenzene		146				Compound Not Detected.	
85 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.	
86 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
89 1,2,3-Trichlorobenzene		180				Compound Not Detected.	

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb2012.b\50220A03.D
Lab Smp Id: VBLKPT Client Smp ID: VBLKPT
Inj Date : 20-FEB-2012 12:55
Operator : LBS Inst ID: msd5.i
Smp Info : 5feb2012.b, VBLKPT
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd5.i\5feb2012.b\CLPLMW-5.m
Meth Date : 22-Feb-2012 12:16 lmw Quant Type: ISTD
Cal Date : 16-FEB-2012 22:56 Cal File: 50216A08.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: som1.2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 58 Chlorobenzene-d5	9.795	1152237	50.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	====
Unknown				CAS #:			
10.678	471137	20.4444565	20.4444	0		0	58

Data File: \\Organics\DD\chem\msd5.i\5feb2012.b\50220A03.D

Date : 20-FEB-2012 12:55

Client ID: VBLKPT

Sample Info: 5feb2012.b, VBLKPT

Purge Volume: 5.0

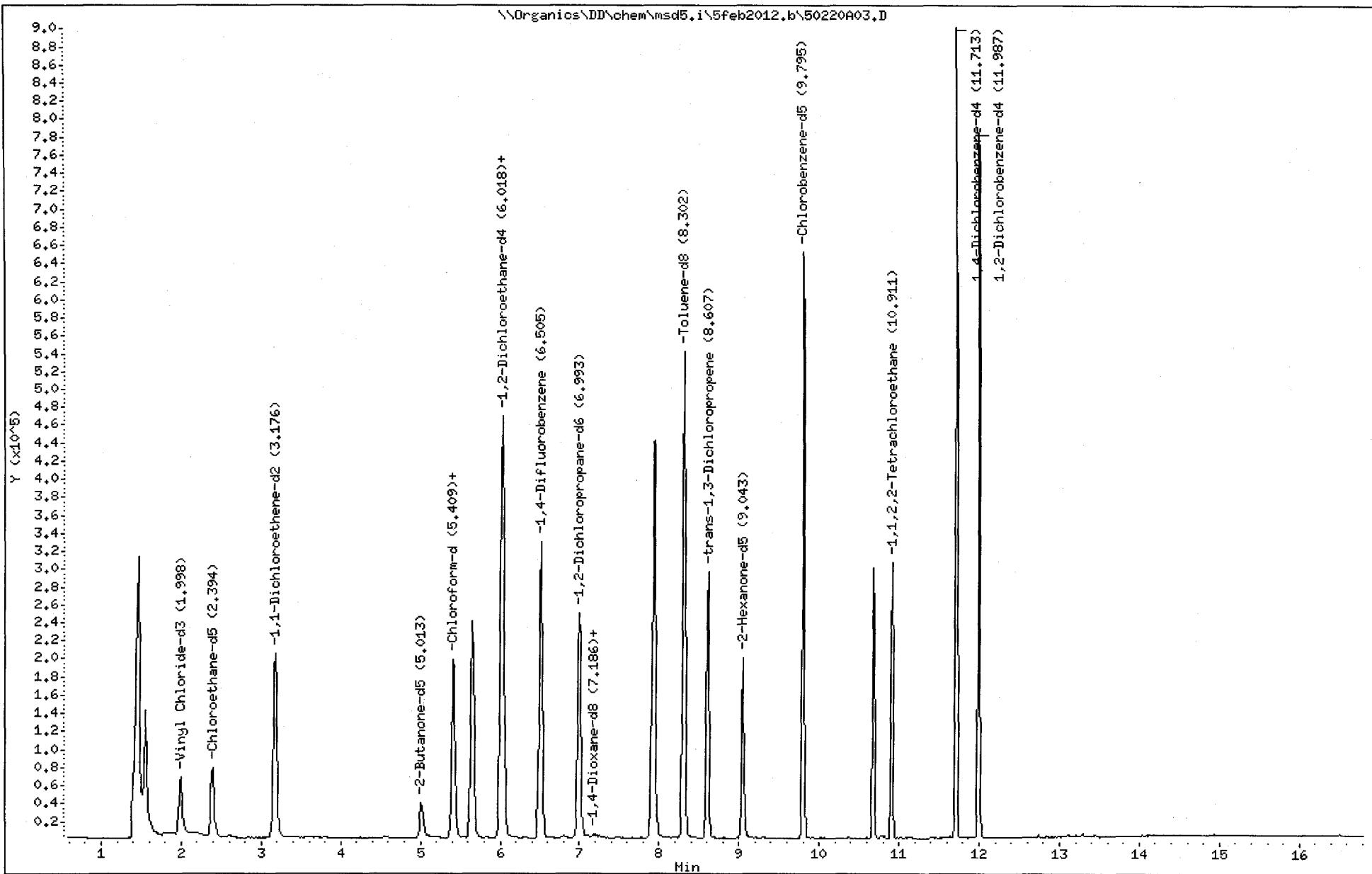
Column phase: DB-624

Page 4

Instrument: msd5.i

Operator: LBS

Column diameter: 0.25



Date : 20-FEB-2012 12:55

Client ID: VBLKPT

Instrument: msd5.i

Sample Info: 5feb2012.b, VBLKPT

Purge Volume: 5.0

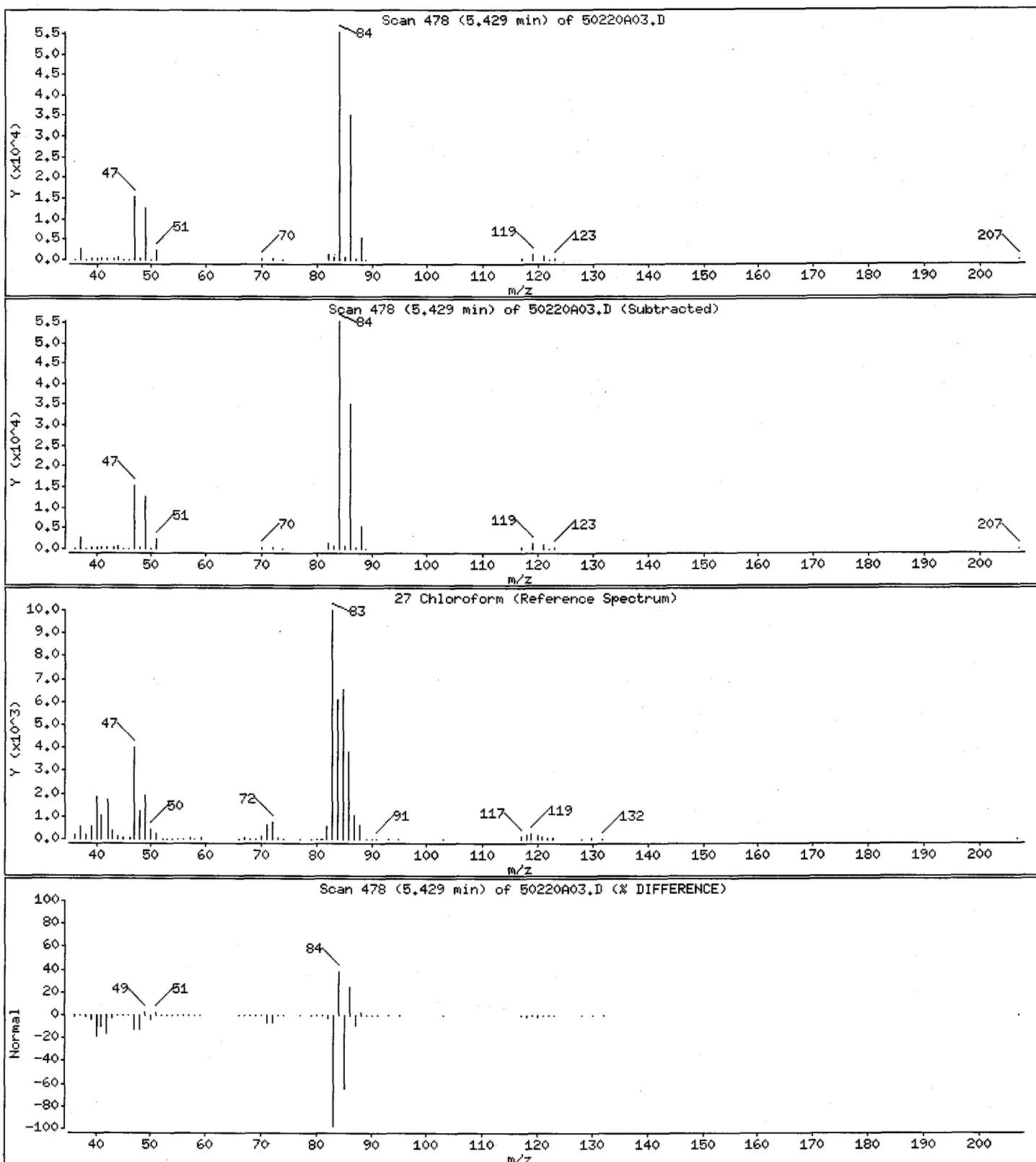
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

27 Chloroform

Concentration: 0.5038 ug/L



Date : 20-FEB-2012 12:55

Client ID: VBLKPT

Instrument: msd5.i

Sample Info: 5feb2012.b, VBLKPT

Purge Volume: 5.0

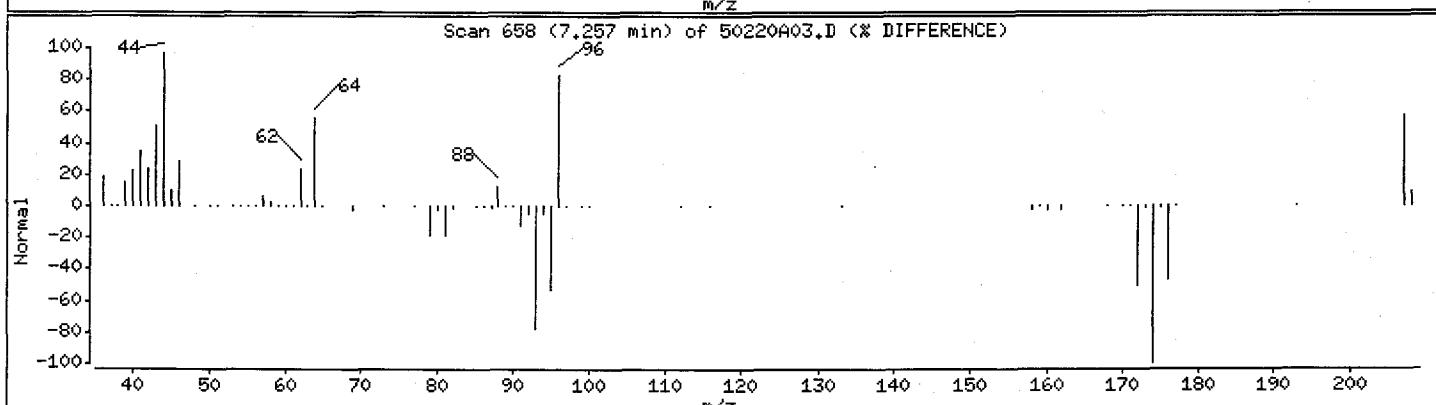
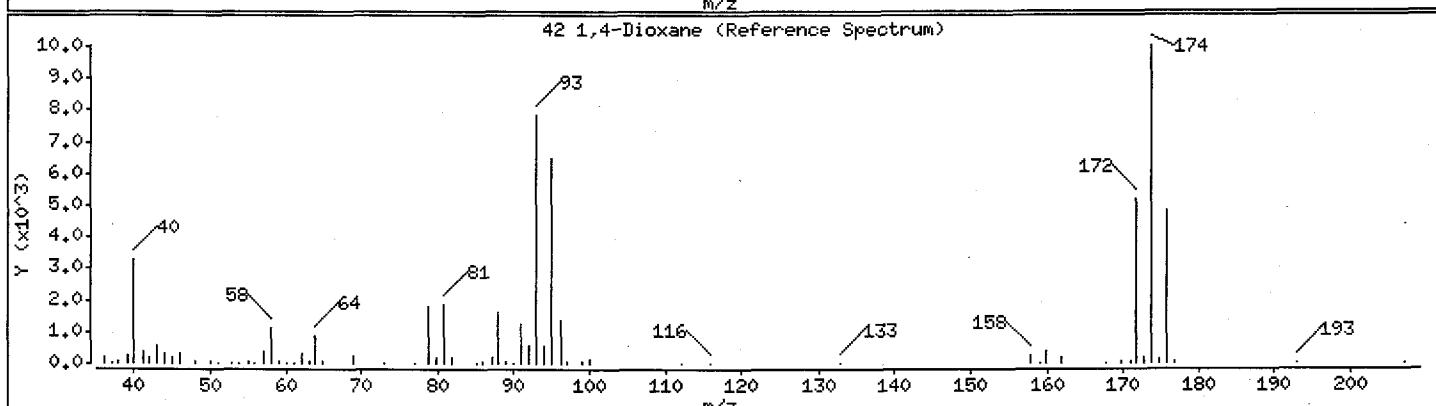
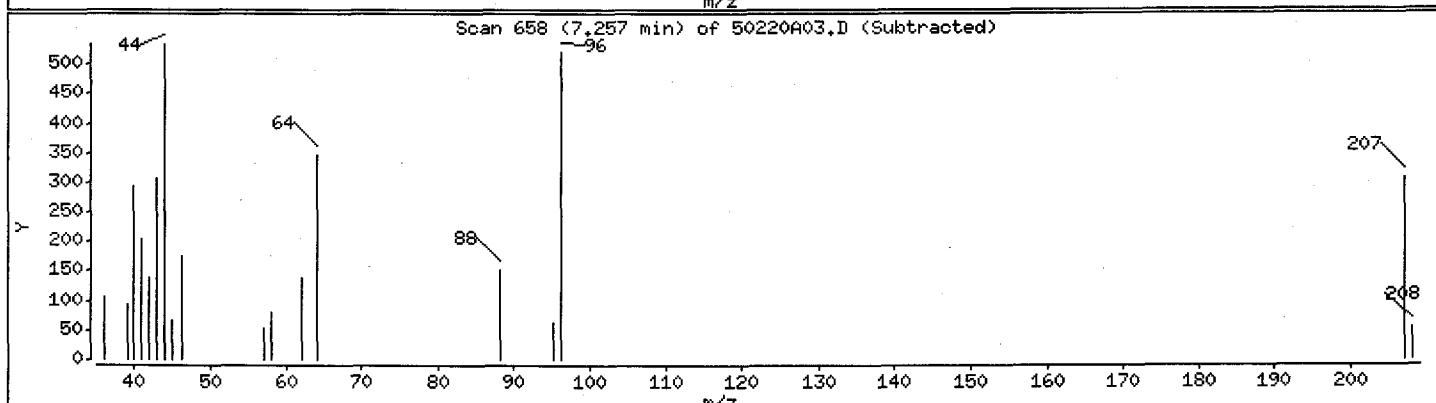
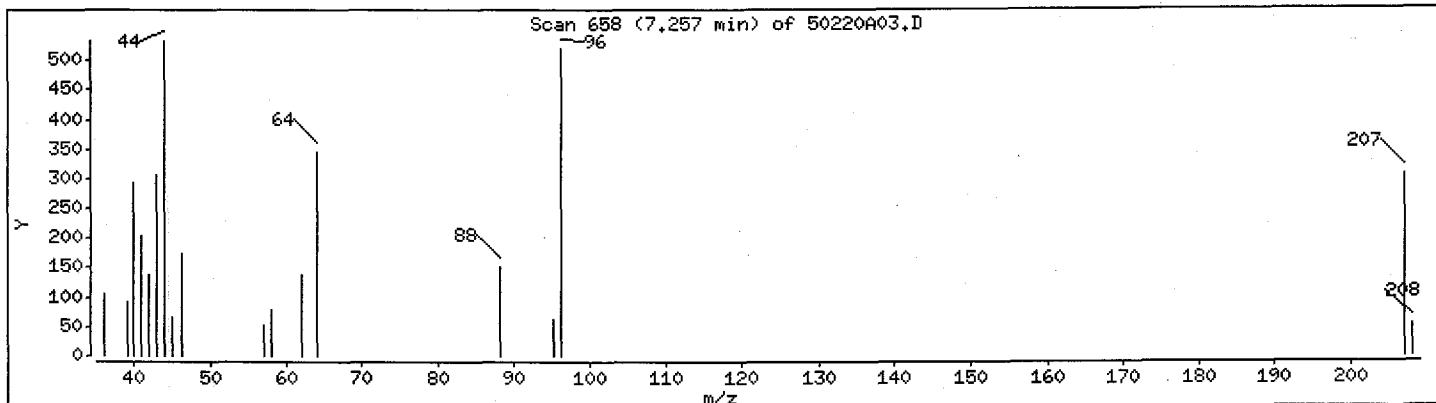
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

42 1,4-Dioxane

Concentration: 57.4663 ug/L



Date : 20-FEB-2012 12:55

Client ID: VBLKPT

Instrument: msd5.i

Sample Info: 5feb2012.b, VBLKPT

Purge Volume: 5.0

Operator: LBS

Column phase: DB-624

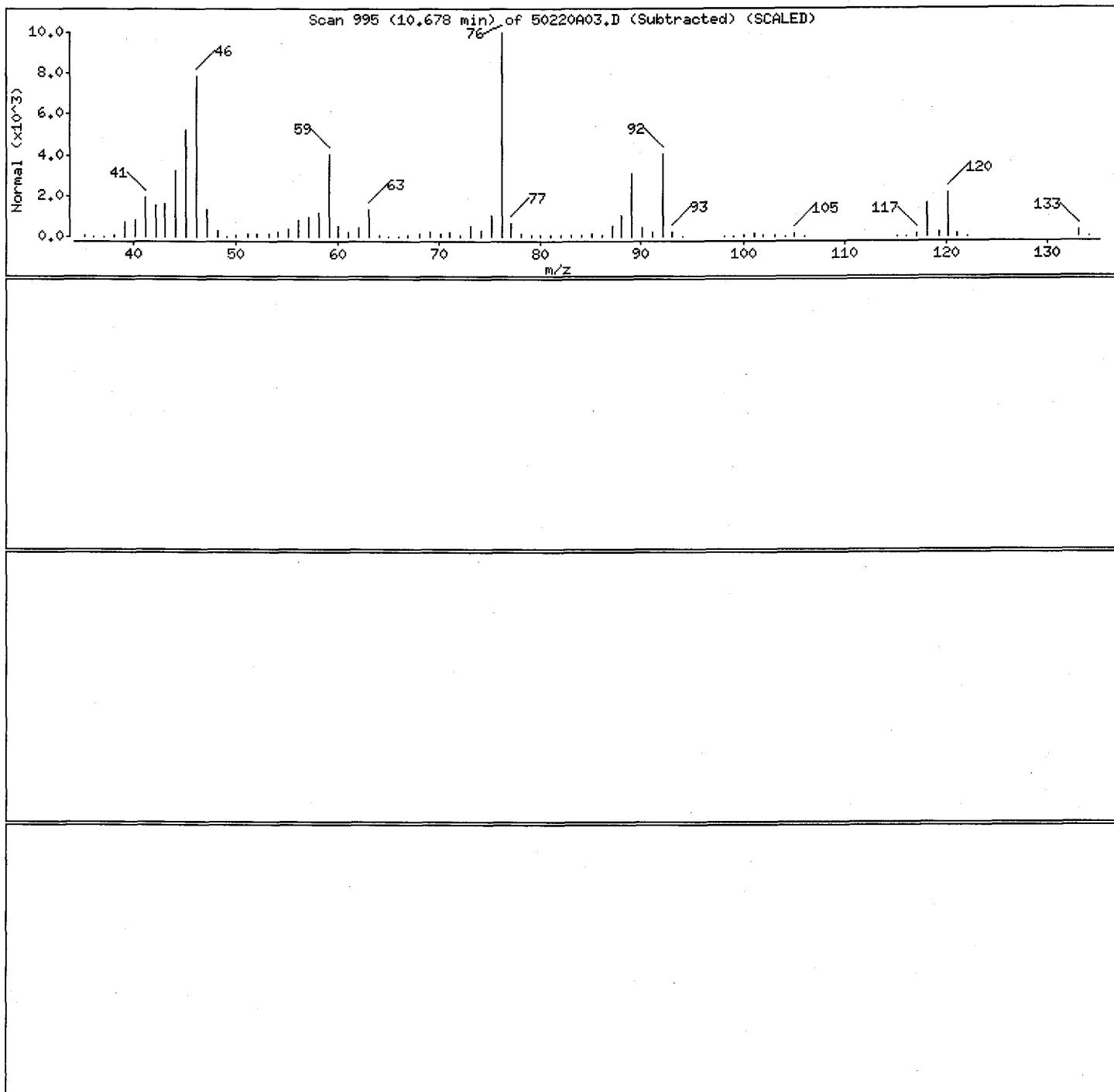
Column diameter: 0.25

Library Search Compound Match

CAS Number Library Entry Quality Formula Weight

Unknown

0 0 0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK02

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 50220A07

Level: (TRACE/LOW/MED) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/20/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	4.2	J
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	0.57	JB
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK02

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182 Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 50220A07

Level: (TRACE/LOW/MED) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/20/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK02

Lab Name: Shealy Environmental Services, Inc.

Contract: EP-W-11-035

Lab Code: SHEALY Case No.: 42182

Mod. Ref No.: _____ SDG No.: F5AW6

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: NB02045-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: 50220A07

Level: (TRACE or LOW/MED) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 02/20/2012

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb2012.b\50220A07.D
Lab Smp Id: NB02045-013 Client Smp ID: VHBLK02
Inj Date : 20-FEB-2012 16:10
Operator : LBS Inst ID: msd5.i
Smp Info : 5feb2012.b, NB02045-013
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd5.i\5feb2012.b\CLPLMW-5.m
Meth Date : 22-Feb-2012 12:16 lmw Quant Type: ISTD
Cal Date : 16-FEB-2012 22:56 Cal File: 50216A08.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: som1.2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L) FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl Chloride-d3	65						
4 Vinyl Chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69						
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63						
10 1,1-Dichloroethene	96						
12 Acetone	43						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
14 Carbon Disulfide	76						
15 Methyl Acetate	43						
16 Methylene Chloride	84						
17 trans-1,2-Dichloroethene	96						
18 Methyl tert-Butyl Ether	73						
20 1,1-Dichloroethane	63						
\$ 21 2-Butanone-d5	46						
22 2-Butanone	43						
23 cis-1,2-Dichloroethene	96						
25 Bromochloromethane	128						
\$ 26 Chloroform-d	84						
27 Chloroform	83						
28 1,1,1-Trichloroethane	97						

Compounds	QUANT SIG	MASS	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
			=====	=====	=====	=====	=====
29 Cyclohexane		56				Compound Not Detected.	
31 Carbon Tetrachloride		117				Compound Not Detected.	
\$ 32 1,2-Dichloroethane-d4		65	5.997	5.997 (0.922)	172009	53.5486	53.5485
\$ 33 Benzene-d6		84	6.017	6.018 (0.614)	485794	45.3814	45.3814
34 Benzene		78				Compound Not Detected.	
35 1,2-Dichloroethane		62				Compound Not Detected.	
* 36 1,4-Difluorobenzene		114	6.505	6.505 (1.000)	375137	50.0000	
37 Trichloroethene		95				Compound Not Detected.	
\$ 38 1,2-Dichloropropane-d6		67	6.992	6.992 (0.714)	158497	43.9169	43.9169
39 Methylcyclohexane		83				Compound Not Detected.	
40 1,2-Dichloropropane		63				Compound Not Detected.	
\$ 41 1,4-Dioxane-d8		96	7.185	7.185 (1.105)	7240	526.736	526.7357
42 1,4-Dioxane		88				Compound Not Detected.	
44 Bromodichloromethane		83				Compound Not Detected.	
46 cis-1,3-Dichloropropene		75				Compound Not Detected.	
47 4-Methyl-2-pentanone		43				Compound Not Detected.	
\$ 48 Toluene-d8		98	8.302	8.302 (0.848)	471420	44.9624	44.9623
49 Toluene		91				Compound Not Detected.	
\$ 45 trans-1,3-Dichloropropene-d4		79	8.606	8.606 (0.879)	193135	48.0541	48.0541
50 trans-1,3-Dichloropropene		75				Compound Not Detected.	
51 1,1,2-Trichloroethane		97				Compound Not Detected.	
52 Tetrachloroethene		164				Compound Not Detected.	
\$ 54 2-Hexanone-d5		63	9.043	9.043 (0.923)	78977	64.1182	64.1181 (Q)
55 2-Hexanone		43				Compound Not Detected.	
56 Dibromochloromethane		129				Compound Not Detected.	
57 1,2-Dibromoethane		107				Compound Not Detected.	
* 58 Chlorobenzene-d5		117	9.794	9.794 (1.000)	372410	50.0000	
59 Chlorobenzene		112				Compound Not Detected.	
61 Ethylbenzene		91				Compound Not Detected.	
62 m+p-Xylenes		106				Compound Not Detected.	
63 o-Xylene		106				Compound Not Detected.	
64 Styrene		104				Compound Not Detected.	
65 Bromoform		173				Compound Not Detected.	
66 Isopropylbenzene		105				Compound Not Detected.	
\$ 67 1,1,2,2-Tetrachloroethane-d2		84	10.911	10.911 (1.114)	136188	44.7289	44.7289
68 1,1,2,2-Tetrachloroethane		83				Compound Not Detected.	
79 1,3-Dichlorobenzene		146				Compound Not Detected.	
* 80 1,4-Dichlorobenzene-d4		152	11.713	11.713 (1.000)	229119	50.0000	
81 1,4-Dichlorobenzene		146				Compound Not Detected.	
\$ 83 1,2-Dichlorobenzene-d4		152	11.997	11.997 (1.024)	229126	46.5994	46.5994
84 1,2-Dichlorobenzene		146				Compound Not Detected.	
85 1,2-Dibromo-3-chloropropane		75				Compound Not Detected.	
86 1,2,4-Trichlorobenzene		180				Compound Not Detected.	
89 1,2,3-Trichlorobenzene		180				Compound Not Detected.	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\Organics\DD\chem\msd5.i\5feb2012.b\50220A07.D
Lab Smp Id: NB02045-013 Client Smp ID: VHBLK02
Inj Date : 20-FEB-2012 16:10
Operator : LBS Inst ID: msd5.i
Smp Info : 5feb2012.b, NB02045-013
Misc Info :
Comment :
Method : \\Organics\DD\chem\msd5.i\5feb2012.b\CLPLMW-5.m
Meth Date : 22-Feb-2012 12:16 lmw Quant Type: ISTD
Cal Date : 16-FEB-2012 22:56 Cal File: 50216A08.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: som1.2.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Organics\DD\chem\msd5.i\5feb2012.b\50220A07.D

Page 4

Date : 20-FEB-2012 16:10

Client ID: VHBLK02

Sample Info: 5feb2012.b, NB02045-013

Purge Volume: 5.0

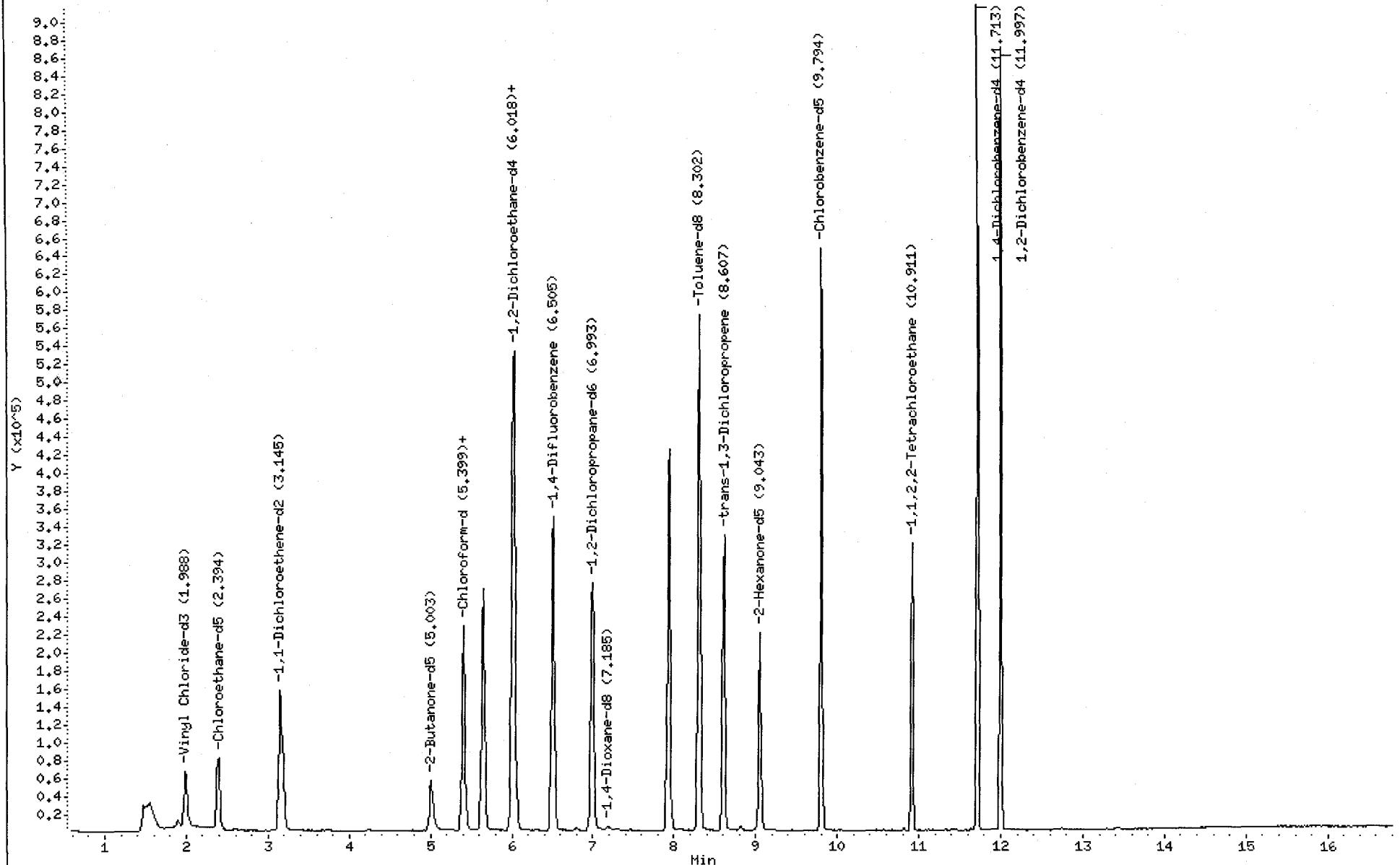
Column phase: DB-624

Instrument: msd5.i

Operator: LBS

Column diameter: 0.25

\\Organics\DD\chem\msd5.i\5feb2012.b\50220A07.D



Date : 20-FEB-2012 16:10

Client ID: VHBLK02

Instrument: msd5.i

Sample Info: 5feb2012.b, NB02045-013

Purge Volume: 5.0

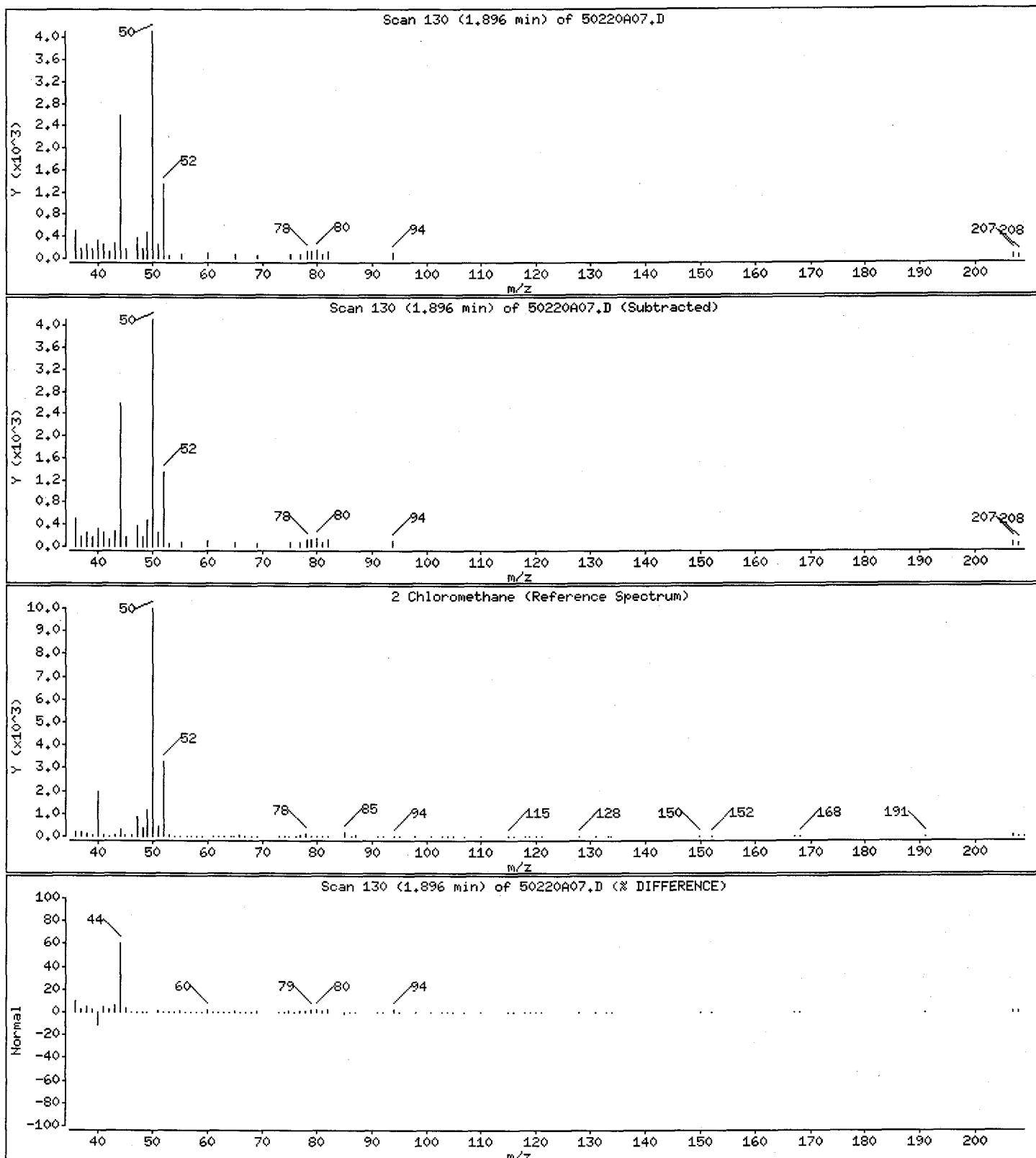
Operator: LBS

Column phase: DB-624

Column diameter: 0.25

2 Chloromethane

Concentration: 4.2077 ug/L



Date : 20-FEB-2012 16:10

Client ID: WHBLK02

Instrument: msd5.i

Sample Info: 5feb2012.b, NB02045-013

Purge Volume: 5.0

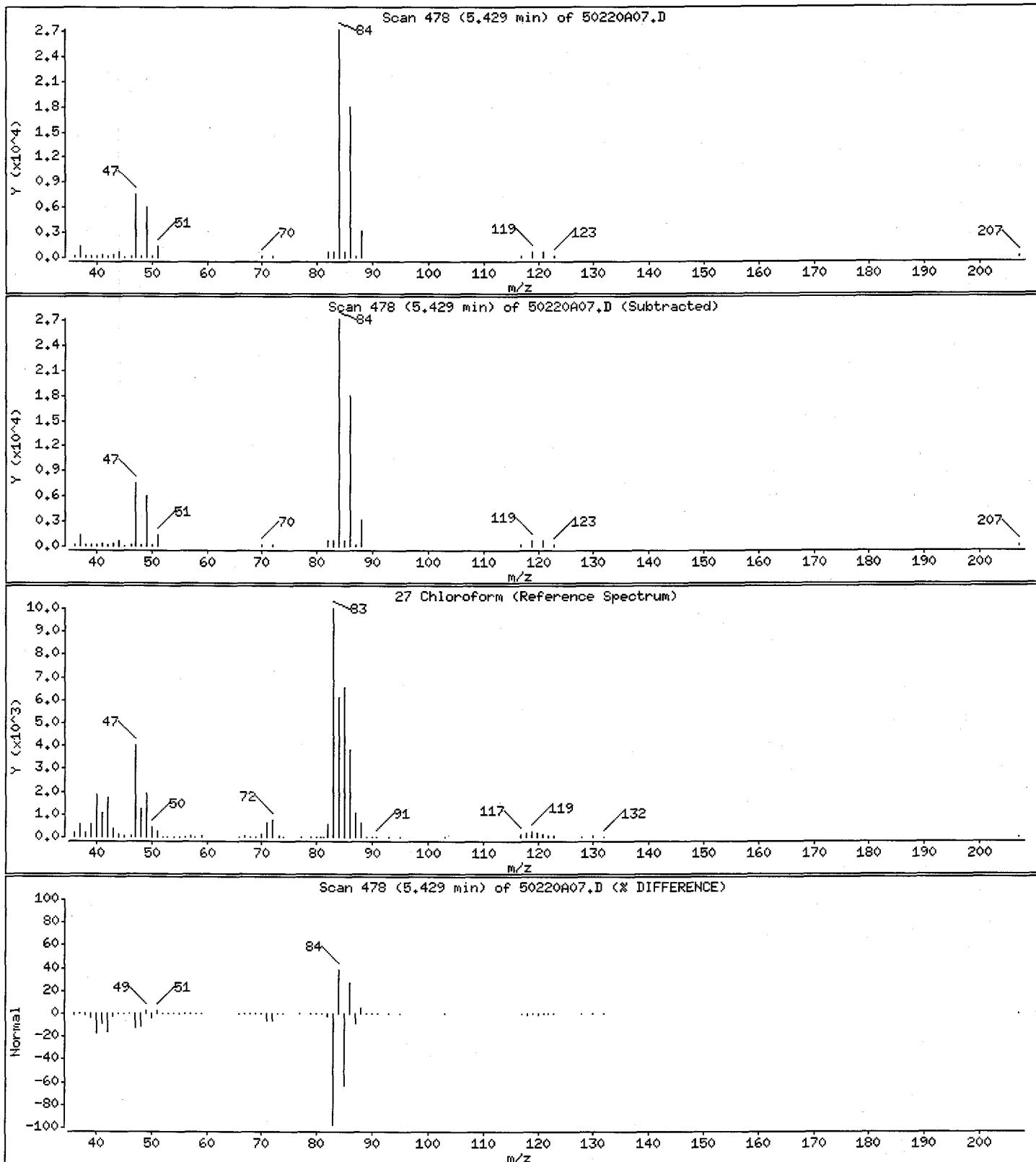
Operator: LBS

Column phaset: DB-624

Column diameter: 0.25

27 Chloroform

Concentration: 0.5669 ug/L



K. Miscellaneous Data

CASE 42182 SDG F5AW6

Run logs

Standard Preparation Logs

Extraction Preparation Logs (if applicable)

Sample Weight logs (if applicable)

Percent Moisture Logs (if applicable)

Internal Chain-of-Custody (if applicable)

Airbills (Original)

Traffic Report/Chain-of-custody (Original)

DC-1 (Original)

Other records

GC/MS VOA INSTRUMENT RUN LOG MSD-8

Batch #: NR77397 Date: 2-8-12

Analyst: (DJB) Prep Analyst: 556 BM

Analytical Method: 8260B / 624 CLP / Other TRACE

Prep Method: 5030B / 5035 / 3580 / Other

1 μL of IS ~~#556~~ 12726/2-20-12 into 25 mL 10 μL of SS# SDMT 3686/2-19-12 into 43 mL Purge Volume = 5/10 25 mL
556 2-8-12

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike uL/mL	PASS / FAIL	Comments
1	80208C01	BFBBLU	A11	1	NA	NA	A	NA	Pass	10-579 / 7-17-12 vial 1706
2	2	VSTD0020 LU	Std	1	1	1				SDMT 3704
3	3	VSTD0010 LU								3705
4	4	VSTD005 LU								3706
5	5	VSTD001 LU								3707
6	6	VSTD05 LU								3708
7	7	VBLK LU								
8	8	L								
9	9 ✓	NB01003-004		SD	52					R2
10	10 ✓	1 -005		200						Tet 91 (2000)
11	11 ✓	1 -007		1						1.4
12	12 ✓	1 -010		1						R2
13	13 ✓	NB01001-010		SD	1					R2
14	14 ✓	NB01003-009		100	52					R2
15	15 ✓	1 -010		2000	1					R2
16	16 ✓	1 -012		1	1					Tet 2455 Sal (2000)
17	17 ✓	VIBLU			NA					1.4
18	18 ✓	NB01003-013		52						4S Tet 2530 Sal (2000)
19	19 ✓	1 -014		1						5S 1781 (1000)
20	20 ✓	1 -015		1						4S 1955 (1000)
21	21 ✓	VIBLU			NA					1.7
22	22 ✓	NB01003-DLC		52						2712 (9000)
23	23 ✓	1 -019		1						5S 1278 (1000)
24	24 ✓	VIBLU			NA					1.4
25	25 ✓	VSTD005MD		1	1	+	-	1	SDMT 3706	
26	80209 a 01	NB01003-007								VBLK MD
27	02 ✓	1			1					VBLK MD
28	✓ 03	NB02045-007		52						
29	✓ 04	-008		1						
30	✓ 05	NB01003-020								VC@53 14081 TCE85 TET65 (1000)
31	06	-021								DML Z 40 61 LSP (2000)
32	07	NB02045-001								3 2 (400)
33	08	-002								2.5 (400)
34	09	-003								2.715 (2000)

GC/MS VOA INSTRUMENT RUN LOG MSD-8

Batch #: NQ7237 ^{4/9/3}
Date: 2/21/12

Analyst: DJB Prep Analyst: BM, JSG

Analytical Method: 8260B / 624 CLP Other Tnsp

Prep Method: 5030B / 5035 / 3580 / Other _____

1 μL of IS # VOMS 12716/2-20-12 into 25 mL 10 μL of SS# SOMT 3709/2-12-12 into 43 mL Purge Volume = 5 / 10 / 25 mL

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike $\mu\text{L}/\text{mL}$	PASS / FAIL	Comments
1	80209g10	NB02045-004	S11	1	+52	NA	A		Pass	DNR 2.8 RG
2	11	-005		200						5 4.6 RC
3	12	-006		1						5 A
4	13	VIBLKMD			NA					4 R
5	14	NB01001-010		52						5 TCE 448
6	15	VIBLKMD			NA			1		Sp -1
7	16	NB03022-001		52					Pass	(200) (100) (50) (25) (10) (5) 5 120 118 119 2022
8	17	-002		1						(100) 5 57 1700 3551
9	18	-003		1						(100) 120 5 120 118 119
10	19	-004		1						(200) 20 5 91 119 2022
11	20	-005		1					5	3800 241 2000
12	21	-006		1					X 5	TCE 2100 3551 DNR TOT SUL
13	22	NB03022-009								Pass DNR TCE 9 119
14	23	-010		1						(RC) TCE 119 2022
15	24	-008		1						(RC) 6
16	25	VSTHOU5MG		1	NA					SOMT 3709 b
17	80209h101	VBLK		1						
18	02	VBLK		1						
19	03	VBLK		1						
20	04	NB02045-007		1	52					
21	05	-005		1						
22	06	-006		1						
23	07	-001		1						
24	08	-002		1						
25	09	-003		1						
26	010	NB03022-010		1	1					
27	011	NB01003-011		1000	52					
28	012	-012		2000	1					
29	013	-013		2000	1					
30	14	-014		1000						
31	15	-015		1000						
32	16	-016		2000						
33	17	NB01003-019		1000						
34	18	-020		100						

GC/MS VOA INSTRUMENT RUN LOG MSD-8

Batch #: No. 77493 Date: 2-9-12

Analyst: DJB Prep Analyst: JTG

Analytical Method: 8260B / 624 (CLP) Other TRACE

Prep Method: 5030B / 5035 / 3580 / Other

1 μL of IS # VOMS 12776/22011 into 25 mL 10 μL of SS# SOMT 3709/2-12-12 into 43 mL Purge Volume = 5 / 10 / 25 mL

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike $\mu\text{L}/\text{mL}$	PASS / FAIL	Comments
1	<u>S0204B19</u>	<u>NB01003-021</u>	<u>5-1</u>	<u>100</u>	<u>7</u>	<u>NA</u>	<u>A</u>	<u>NA</u>	<u>PGR</u>	
2	<u>20</u>	<u>-005</u>		<u>2000</u>						
3	<u>21</u>	<u>NB03022-001</u>		<u>2000</u>						
4	<u>22</u>	<u>-002</u>		<u>2000</u>	<u>7</u>				<u>↓</u>	
5	<u>23</u>	<u>306 2-9-12</u>	<u>003</u>	<u>1</u>	<u>NA</u>					<u>VSTD005 MK SOMT 3710</u>
6	<u>24</u>	<u>VSTD005MK1</u>	<u>X</u>	<u>1</u>	<u>NA</u>					<u>SOMT 3710 2004-SUM†</u>
7		<u>1/20/12</u>								
8		<u>02/20/12</u>								
9										
10										
11										
12										
13										
14										
15										
16										
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26										
27										
28										
29										
30										
31										
32										<u>2/10/12</u>
33										<u>DB</u>
34										

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required 1 = IS Failure S = Surrogate Failure NA = Not Analyzed C = Confirms NR = Not Reported
CO = Carry Over NC = Not Clean Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid RC=Rerun Clean P=Pass F=Fail

GC/MS VOA INSTRUMENT RUN LOG MSD-8

Batch #: NS77843 Date: 21-01-12

Analyst: DLB Prep Analyst: BM, DLB, JJ&

Analisis Dampak Sosial dan Ekonomi Pada Pengembangan Wilayah

Analyst: DLB Prep Analyst: BM, DLB, JJ&

Analytical Method: 8260B / 624 / CLP Other ITL

Prep Method: 5030B / 5035 / 3580 / Other

Analytical Method: 8260B / 624 / CLP Other Tic-cc Prep Method: 5030B / 5035 / 3580 / Other

1 µL of IS # Vants 3709 into 43 mL 10 µL of SS# Vants 3709/2122 into 43 mL Purge Volume = 5 / 10 (25 mL)

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike uL/mL	PASS / FAIL	Comments
1	80210001	BFBMK	A01	1	NA	NA	NA	2uL	Pass	2uL 10-579 1/7/12
2	2	VSTD0001MK	Std						NA	SMT 3711 2/11/12
3	3	010MK								3712
4	4	005MK								3713
5	5	001MK								3714
6	6	015MK								3715 ✓
7	7	VBLUMK								
8	8	NB03022-009			1/2				✓	TCEQ024 (40) OK
9	9	-011		2000	1/2				✓ DNR	ND OK DF=2000
10	10	-012		2000	1				RL DNR	
11	11	2-10-12 013		1	NA					VBLK DNR
12	12	-014		2000	1/2					NB 03022-014 RL DNR
13	13	-015		2000	1/2				✓ RL	-015 RL DNR
14	14	-016		2000	1/2				✓ RL	-016
15	15	-017		2000	1/2				✓ RL	-017
16	16	NB03022-013		2000	1/2					RL (500)
17	17	-018		2000	1/2				✓ RL	
18	18	-019		2000	1/2					PL (400)
19	19	-020		2000	1/2					RL (NL)
20	20	NB03022-003		2000	1/2					PL (400)
21	21	-004		2000	1/2					✓ RL
22	22	-005		2000	1/2					✓ RL
23	23	-009		4	1/2					✓ RL (R2)
24	24	-013		500	1/2					✓ RL
25	25	-014		100	1/2					✓ RL
26	26	-015		400	1/2					✓ RL
27	27	-019		40	1/2					✓ RL
28	28	VSTD005MQ		1	NA	1			✓	50ML SMT 3713 / 2-11-12
29	80211001	VBLUMQ								
30	1	1002	VBLUMQ							
31	2	3103	NB03022-011		1/2					
32	32	80211004	NB03022-012		1/2					
33	33	05	NB03022-013		1/2					
34	34	06	VSTD005MV		NA	1				

GC/MS VOA INSTRUMENT RUN LOG MSD-8

Batch #: N87811 Date: 2/15/12

Analyst: D.R. Prep Analyst: J.B.

Analytical Method: 8260B / 624 / CLP / Other Trace

Prep Method: 5030B / 5035 / 3580 / Other

1 μL of IS # V0MS1277612272 into 35 mL 10 μL of SS# S0MS371413148 into 43 mL Purge Volume = 5 / 10 (25mL)

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike uL/mL	PASS / FAIL	Comments
1	80215b01	BFB0B	all	1	NA	NA	AO	2uL	PASS	0903
2	2	VSTD0050B	Std	1	1	1	1	1	PASS	S0MT3717 2/16/12
3	3	VRBL0B	)	1	1	1	1	1	Re	
4	4	1	)	1	1	1	1	1	PASS	
5	5	↓	)	1	1	1	1	1	1	
6	6	NB03022-008	)	1	12	1	1	1	PASS	vial #8
7	7	1 3	400	12	1	1	1	1	PASS	3
8	8	NB01003-006	)	1	1	1	1	1	PASS	NB03022-007 NB02048-009
9	9	NB14566-002	)	1	1	1	1	1	R	5
10	10	1 3	)	1	1	1	1	1	R	5
11	11	4	)	1	1	1	1	1	PASS	3
12	12	5	)	1	1	1	1	1		3
13	13	6	)	1	1	1	1	1		3
14	14	7	)	1	1	1	1	1		3
15	15	8	)	1	1	1	1	1		1
16	16	1	)	1	1	1	1	1		2
17	17	2	)	1	1	1	1	1	CMS	2
18	18	3	)	1	1	1	1	1	CMS	2
19	19	9	)	50	12	1	1	1		2
20	20	10	)	50	1	1	1	1		2
21	21	9	)	1	1	1	1	1		3
22	22	10	)	1	1	1	1	1		3
23	23	VSTD005ZX	)	1	NA	1	1	1	S0MT3717 02/16/12	
24	24									
25										
26										
27										
28										
29										
30										
31										
32										
33										2/16/12
34										D.R.

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required 1 = IS Failure S = Surrogate Failure NA = Not Analyzed C = Confirms NR = Not Reported
CO = Carry Over NC = Not Clean Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid RC = Rerun Clean P = Pass F = Fail

10-579

Certificate of Analysis

DESCRIPTION: EPA 8240B/8260A GC/MS Tuning Mix

CATALOG NO.: 47414

MFG DATE: Apr-2010

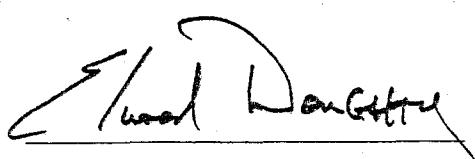
LOT NO.: LB74663

EXPIRATION DATE: Apr-2013

SOLVENT: METHANOL

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2)	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
4-BROMOFLUOROBENZENE	460-00-4	99.9	25.00	25.03 +/- 0.178		LB48377

- (1) Determined by capillary GC-FID, unless otherwise noted.
- (2) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
- (3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.



Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

 **SUPELCO®**
Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	JJG		SOMT 3704								
PREP. DATE:	2/8/2012										
EXP. DATE:	2/9/2012			Solvent:	H ₂ O	Lot#					
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ml	Final Volume mL	Final Conc ug/l	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date		
ICAL-L5											
SOM Trace Ketone Std	SOMT 3687	100	10	50	20	1	1/19/2012	2/19/2012	na		
8260 Sec. Std	VOMS 12794	100	10	50	20	2	2/6/2012	3/6/2012	na		
Trace DMC Mix	SOMT 3686	20	50	50	20	NA	1/19/2012	2/19/2012	na		

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

Working Standards Prep
GC/MS Volatiles

INITIALS: <u>DLB</u>	SOMT <u>3686</u>								
PREP. DATE: <u>1/19/2012</u>									
EXP. DATE: <u>2/19/2012</u>	Solvent: <u>MEOH</u> Lot# <u>12-005</u>								
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/ml	Initial Volume uL	Final Volume mL	Final Conc ug/ml	Foot Notes If App	Ampule Opened or Date	Standard exp. Date	Mig exp. Date
Trace DMC Mix									
DMC Liquids	11-924	2000	20	2	20	NA	10/28/2011	4/28/2012	2/15/2013
DMC Gases	11-925	2000	20	2	20	NA	12/12/2011	2/12/2012	7/14/2014
DMC B	10-576	2500	160	2	200	NA	12/12/2011	6/12/2012	4/26/2013

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>DLB</u>	SOMT <u>3687</u>								
PREP. DATE: <u>1/19/2012</u>	Solvent: <u>MEOH</u>	Lot# <u>12-005</u>							
EXP. DATE: <u>2/19/2012</u>									
Stock Standard	Shealy Standard ID	Stock Standard Conc	Initial Volume	Final Volume	Final Conc	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
SOM Trace Ketone Mix		ug/mL	uL	mL	ug/ml				
CLP Ketone mix	10-967	2000	400	1	800	1	12/20/2011	6/20/2012	10/1/2012

1. Ketones are also in the 8260 mix used for preparation of daily standards.
2. Dioxane is also in the 8260 mix used fo preparation of daily standards.
3. Hexane also at 50 ug/ml in the 8260 Secondary Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	JJG	SOMT	3705							
PREP. DATE:	2/8/2012									
EXP. DATE:	2/9/2012									
		Solvent:	H ₂ O		Lot#					
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Amplifier Opened or Date made	Standard exp. Date	Mfg exp. Date	
ICAL-L4										
SOM Trace Ketone Std	SOMT 3687	100	5	50	10	1	1/19/2012	2/19/2012	na	
8260 Sec. Std	VOMS 12794	100	5	50	10	2	2/6/2012	3/6/2012	na	
Trace DMC Mix	SOMT 3686	20	25	50	10	NA	1/19/2012	2/19/2012	na	

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	JJG	SOMT	3706							
PREP. DATE:	2/8/2012									
EXP. DATE:	2/9/2012									
		Solvent:	H2O							
		Lot#								
Stock Standard	Shealy Standard ID	Stock Standard Conc	Initial Volume	Final Volume	Final Conc	Foot Notes If App	Amplifier Opened or Date	Standard exp. Date	Mfg exp. Date	
ICAL-L3 CCV		ug/mL	ul	ml	ug/l					
SOM Trace Ketone Std	SOMT 3687	100	5	100	5	1	1/19/2012	2/19/2012	na	
8260 Sec. Std	VOMS 12794	100	5	100	5	2	2/6/2012	3/6/2012	na	
Trace DMC Mix	SOMT 3686	20	25	100	NA	NA	1/19/2012	2/19/2012	na	

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	JJG		SOMT	3707				
PREP. DATE:	2/8/2012			Solvent:	H2O		Lot#	
EXP. DATE:	2/9/2012			Amplifier Opened or Date made	Standard exp. Date	Mfg exp. Date		
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App		
ICAL-L2								
SOM Trace Ketone Std	SOMT 3687	100	5	500	1	1	1/19/2012	2/19/2012
8260 Sec. Std	VOMS 12794	100	5	500	1	2	2/6/2012	3/6/2012
Trace DMC Mix	SOMT 3686	20	25	500	1	NA	1/19/2012	2/19/2012

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	JJG				SOMT	3708				
PREP. DATE:	2/8/2012									
EXP. DATE:	2/9/2012					Solvent:	H2O	Lot#		
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume mL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date	
ICAL-L1										
SOM Trace Ketone Std	SOMT 3687	100	2.5	500	0.5	1	1/19/2012	2/19/2012	na	
8260 Sec. Std	VOMS 12794	100	2.5	500	0.5	2	2/6/2012	3/6/2012	na	
Trace DMC Mix	SOMT 3686	20	12.5	500	0.5	NA	1/19/2012	2/19/2012	na	

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

Working Standards Prep
GC/MS Volatiles

INITIALS: BM

SOMT 3709b

PREP. DATE: 2/9/2012

EXP. DATE: 2/10/2012

Solvent: H₂O Lot#

Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
ICAL-L3 CCV									
SOM Trace Ketone Std	SOMT 3687	100	5	100	5	1	1/19/2012	2/19/2012	na
8260 Sec. Std	VOMS 12794	100	5	100	5	2	2/6/2012	3/6/2012	na
Trace DMC Mix	SOMT 3709	20	25	100	5	NA	2/9/2012	2/12/2012	na

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	JJG				SOMT	3710				
PREP. DATE:	2/9/2010									
EXP. DATE:	2/10/2010			Solvent:		H2O	Lot#			
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date	
ICAL-L3 CCV	SOMT 3687	100	5	100	5	1	1/19/2012	2/19/2012	na	
8260 Sec. Std	VOMS 12796	100	5	100	5	2	2/8/2012	3/8/2012	na	
Trace DMC Mix	SOMT 3709	20	25	100	5	NA	2/9/2012	3/9/2012	na	

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

Working Standards Prep
GC/MS Volatiles

INITIALS: <u>DLB</u>	SOMT <u>3709</u>								
PREP. DATE: <u>2/9/2012</u>									
EXP. DATE: <u>2/12/2012</u>	Solvent: <u>MEOH</u> Lot# <u>12-005</u>								
Stock Standard	Shealy Standard ID	Stock Standard Conc	Initial Volume	Final Volume	Final Conc	Foot Notes If App	Ampule Opened or Date	Standard exp. Date	Mfg exp. Date
Trace DMC Mix		ug/mL	uL	mL	ug/ml				
DMC Liquids	11-924	2000	20	2	20	NA	10/28/2011	4/28/2012	2/15/2013
DMC Gases	11-925	2000	20	2	20	NA	12/12/2011	2/12/2012	7/14/2014
DMC B	10-576	2500	160	2	200	NA	12/12/2011	6/12/2012	4/26/2013

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>BM</u>	SOMT <u>3711</u>								
PREP. DATE: <u>2/10/2012</u>									
EXP. DATE: <u>2/11/2012</u>	Solvent: <u>H2O</u> Lot#: _____								
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampoule Opened or Date Received	Standard exp. Date	Mfg exp. Date
ICAL-L5	SOMT 3687	100	10	50	20	1	1/19/2012	2/19/2012	na
8260 Sec. Std	VOMS 12797	100	10	50	20	2	2/9/2012	3/9/2012	na
Trace DMC Mix	SOMT 3709	20	50	50	40	NA	2/9/2012	2/12/2012	na

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>BM</u>	SOMT <u>3712</u>								
PREP. DATE: <u>2/10/2012</u>									
EXP. DATE: <u>2/11/2012</u>	Solvent: <u>H2O</u> Lot# <u> </u>								
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Root Notes If App.	Opened or Date _____	Standard exp. Date	Mfg exp. Date
ICAL-L4									
SOM Trace Ketone Std	SOMT 3687	100	5	50	10	1	1/19/2012	2/19/2012	na
8260 Sec. Std	VOMS 12797	100	5	50	10	2	2/9/2012	3/9/2012	na
Trace DMC Mix	SOMT 3709	20	25	50	10	NA	2/9/2012	2/12/2012	na

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>BM</u>	SOMT <u>3713</u>
PREP. DATE: <u>2/10/2012</u>	Solvent: <u>H2O</u>
EXP. DATE: <u>2/11/2012</u>	Lot# <u> </u>

Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/l	Foot Notes If App.	Exempted or Opened or Date made	Standard exp. Date	Mfg exp Date
ICAL-L3 CCV									
SOM Trace Ketone Std	SOMT 3687	100	5	100	5	1	1/19/2012	2/19/2012	na
8260 Sec. Std	VOMS 12797	100	5	100	5	2	2/9/2012	3/9/2012	na
Trace DMC Mix	SOMT 3709	20	25	100	5	NA	2/9/2012	2/12/2012	na

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	BM	SOMT	3714							
PREP. DATE:	2/10/2012									
EXP. DATE:	2/11/2012									
		Solvent:	H ₂ O	Lot#						
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/ml	Initial Volume ul	Final Volume ml	Final Conc ug/l	Root Notes If App	Amplite Opened or Date made	Standard exp. Date	Mfg exp. Date	
ICAL-L2										
SOM Trace Ketone Std	SOMT 3687	100	5	500		1	1/19/2012	2/19/2012	na	
8260 Sec. Std	VOMS 12797	100	5	500		2	2/9/2012	3/9/2012	na	
Trace DMC Mix	SOMT 3709	20	25	500		NA	2/9/2012	2/12/2012	na	

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

**Working Standards Prep
GC/MS Volatiles**

INITIALS:	BM	SOMT	3715							
PREP. DATE:	2/10/2012									
EXP. DATE:	2/11/2012									
		Solvent:	H2O							
		Lot#								
Stock Standard	Shealy Standard ID	Stock Standard Conc. ug/mL	Initial Volume uL	Final Volume mL	Final Conc. ng/L	Foot Notes If App.	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date	
ICAL-L1										
SOM Trace Ketone Std	SOMT 3687	100	2.5	500	0.5	1	1/19/2012	2/19/2012	na	
8260 Sec. Std	VOMS 12797	100	2.5	500	0.5	2	2/9/2012	3/9/2012	na	
Trace DMC Mix	SOMT 3709	20	12.5	500	0.5	NA	2/9/2012	2/12/2012	na	

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

Working Standards Prep
GC/MS Volatiles

INITIALS:	DLB	SOMT	3717							
PREP. DATE:	02/15/12									
EXP. DATE:	02/16/12	Solvent:	H ₂ O	Lot#:						
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date	Standard exp. Date	Mfg exp. Date	
ICAL-L3 CCV										
SOM Trace Ketone Std	SOMT 3687	100	5	100	5	1	01/19/12	02/19/12	na	
8260 Sec. Std	VOMS 12806	100	5	100	5	2	02/14/12	03/14/12	na	
Trace DMC Mix	SOMT 3716	20	25	100	5	NA	02/14/12	03/14/12	na	

1. Ketones in Trace Wrk Standard and 8260 Sec. Std
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.

Volatile Internal Chain of Custody From Refrigerator #18

Volatile Internal Chain of Custody From Refrigerator #18

Date	Time	Analyst	From	To	Lab Sample ID	Container #	Consumed Y/N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	NB02045-004	2	Y
02/09/12	19:00	JJG	Refrigerator 18	MSD8	5	3	Y
02/09/12	19:00	JJG	Refrigerator 18	MSD8	6	2	Y
02/09/12	19:00	JJG	Refrigerator 18	MSD8	1	2	Y
02/09/12	19:00	JJG	Refrigerator 18	MSD8	2	2	Y
02/09/12	19:00	JJG	Refrigerator 18	MSD8	3	2	Y
02/09/12	19:00	JJG	Refrigerator 18	MSD8	NB03022-010	3	Y
02/09/12	19:00	JJG	Refrigerator 18	MSD8	NB01003-011	2	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	12	2	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	13	2	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	14	3	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	15	3	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	16	3	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	19	1	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	20	1	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	21	1	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	5	2	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	NB03022-001	2	N
02/09/12	19:00	JJG	Refrigerator 18	MSD8	2	2	N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	NB03022-009	3,2	Y,N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	11	1	N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	12	2	N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	14	1	N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	15	1	N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	16	1	N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	17	1	N
02/10/12	15:30	JJG	Refrigerator 18	MSD8	13	1	N

Volatile Internal Chain of Custody From Refrigerator #18

Volatile Internal Chain of Custody From FRIDGE #18

fbt 022012

10-579

Certificate of Analysis

DESCRIPTION: EPA 8240B/8260A GC/MS Tuning Mix

CATALOG NO.: 47414

MFG DATE: Apr-2010

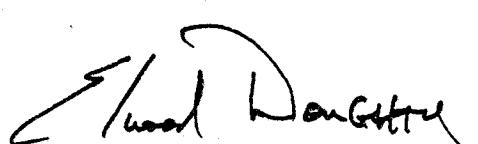
LOT NO.: LB74663

EXPIRATION DATE: Apr-2013

SOLVENT: METHANOL

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2)	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
4-BROMOFLUOROBENZENE	460-00-4	99.9	25.00	25.03 +/- 0.178		LB48377

- (1) Determined by capillary GC-FID, unless otherwise noted.
- (2) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
- (3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.



Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

 **SUPELCO®**
Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

GC/MS VOA INSTRUMENT RUN LOG MSD-7

Batch #: NQ77654 Date: 2-11-12

78110.ZCM

Analytical Method: 8260B / 624 / CLP / Other LM W

1 µL of IS #VOMS12793/080612 into 5 mL 21.5 µL of SS#50mV3997/631012 into 5 mL Purge Volume = 0 / 10 / 25 mL

Analyst: 818

Prep Analyst: 818

Prep Method: 5030B / 5035 / 3580 / Other 43

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike <u>µL/mL</u>	PASS / FAIL	Comments
1	70211B01	BF-BMT	All	1	NA	N/A	A		P	
2	02	VSTD 200MT	STD	1						50mV3998
3	03	VSTD 100 MT								3998
4	04	VSTD 050MT								4000
5	05	VSTD 010 MT								+ 4001
6	06	VSTD 005 MT								50mV4002
7	07	VBLK MT								
8	08	VBLK MT								
9	09	VBLK MT								
10	10	NBD 1007-001								
11	11		-002							
12	12	NBD 2027-002								
13	13		003							
14	14		004							
15	15		005							
16	16		006							
17	17		007							
18	18		008							
19	19		009							
20	20		010							
21	21		011							
22	22		012							
23	23		013							
24	24		014							
25	25		015							
26	26		016							
27	27		017							
28	28	00	2/13/12 -018		NA					VIBLK
29	29		019							VSTD 050PL 50mV4000
30	30	USTD 050PL								+
31	70212A01	VBLK							P	
32	02	VBLK								
33	03	VBLKPL								
34	04	NBD 2027-019							P	

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required I = IS Failure S = Surrogate Failure NA = Not Analyzed C=Confirms NR = Not Reported
CO = Carry Over NC=Not Clean Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid RC=Rerun Clean P=Pass F=Fail

GC/MS VOA INSTRUMENT RUN LOG MSD-7

Batch #: NQ 77649 Date: 2-11-12

Analyst: SPW Prep Analyst: SPW/MC

Analytical Method: 8260B / 624 / CIP / Other LMW

Prep Method: 8030B / 5035 / 3580 / Other _____

1 μL of IS # YOMS12793/070612 into 5 mL 21.5 μL of SS# SOMV3997/631012 into 43 mL Purge Volume 0 / 10 / 25 mL

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike $\mu\text{L}/\text{mL}$	PASS / FAIL	Comments
1	70212A05	NB02027-020	STD	1	1/2	N/A	A		P	
2	06	↓ -021			1					
3	07	NB02045-010			1/2					
4	08	↓ -011								NC
5	09	↓ -012								
6	10	NB04002-002								
7	11	↓ -003								
8	12	↓ -004								
9	13	↓ -005								
10	14	↓ -006								
11	15	↓ -007								
12	16	↓ -008								
13	17	↓ -009								
14	18	↓ -010			1					
15	19	↓ -D11			1/2					
16	20	V1 BLK				N/A				
17	21	V1 BLK				1				
18	22	VSTD 050 QB								Diox ↓ SOMV4000B
19	23	VSTD 050QB								↓
20	24	VBLK								Diox
21	25	mBLKmT								
22	26	mBLKmT								
23	27	mBLKmT			1					
24	28	NB08019-001			1/2					8260B DNR
25	29	NB08020-001								
26	30	NB03025-004								
27	31	NB04008-011								
28	32	↓ -021								
29	33	↓ -022								
30	34	NB09055-001			1					
31	35	V1 BLK				N/A				
32	36	↓ -023-1/2 NB006008-003			1/2					
33	37	↓ -004			1					
34	38	↓ -005			1					

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required 1 = IS Failure S = Surrogate Failure NA = Not Analyzed C=Confirms NR = Not Reported
CO = Carry Over NC=Not Clean Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid RC=Rerun Clean P=Pass F=Fail

GC/MS VOA INSTRUMENT RUN LOG MSD-5

Batch #: N876288 Date: 021612

Analyst: 8728 Prep Analyst: JSG

Analytical Method: 8260B / 624 CLP / Other LM Water

Prep Method: 5030B / 5035 / 3580 / Other

1 μL of IS # 10MS 12782 / 072712 into 5 mL 21.5 μL of SS# 50MV 4016 into 43 mL Purge Volume = 3 / 10 / 25 mL

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike uL/mL	PASS / FAIL	Comments
1	50216A01	BFB0J	N1	1	NA	NA	A		P	10-579
2	2	VSTD0000J	S1A							50MV 4020
3	3	VSTD01000J								4021
4	4	VSTD00500J								4022
5	5	VSTD00100J								4023 NR
6	6	VSTD00050J							P	4024
7	7	VBLK								402 - JSG 2-11-12
8	8	VSTD010J							F	DMV 4025
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
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21										
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26										
27										
28										
29										
30										
31										
32										
33										
34										8728 021712

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required I = IS Failure S = Surrogate Failure NA = Not Analyzed C = Confirms NR = Not Reported
CO = Carry Over NC = Not Clean Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid RC = Rerun Clean P = Pass F = Fail

ICAL 78288

Shealy Environmental Services, Inc.
Document Number: F-VO-018
Revision Number: 11

GC/MS VOA INSTRUMENT RUN LOG MSD-5

Page 1 of 1
Replaces Date: 02/05/10
Effective Date: 03/25/11

Batch #: NG78238 Date: 2-20-12

Analyst: *JWD*

Prep Analyst: *DJ/SB*

Analytical Method: 8260B / 624 / CLP / Other

Prep Method: 5030B / 5035 / 3580 / Other

1 ^{Volum} μL of IS# 12782 072712 into 5 mL 21.5 μL of SS# Volum 12790 080212 into 93 mL Purge Volume = 5 10 / 25 mL

Seq #	File Name	Sample Lot #	Sublist	DF	pH	Chlorine Present? Y/N	Matrix	Spike uL/mL	PASS / FAIL	Comments
1	50220401	BFBPT	All	1	NA	N/A	A		P	10-579 081312
2	02	VSTD050PT	STD		↓					20-20-12 Volum SomV 4028
3	03	VBLKPT			↓					
4	04	NB02045-013							S DNR	
5	05	NB01007-004							P	vid #3
6	06	1 - 005								1
7	07	NB02045-013			L2					VHBLK02
8	08	NB06009-009								6
9	09	1 - 011								3
10	10	NB07015-009								2
11	11	1 - 007								1
12	12	010								NB09017 - 010
13	13	003 - 003							P	NB09017 - 003
14	14	2-20-11 - 005							P	NB09017 - 005
15	15	NB09015-003MS					21.5	93	P	NB09017-003MS
16	16	2-20-11 - 003AD							P	1 003 MS
17	17	NB06009-009MS							P	
18	18	- 009 MS							P	4
19	19	VSTD050PY			NA				P	SOMV 4028
20	20	VSTD050PY		+	2	+	2	-		out of tune
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										<i>2/28 022112</i>

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required I = IS Failure S = Surrogate Failure NA = Not Analyzed C=Confirms NR = Not Reported
CO = Carry Over NC=Not Clean Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid RC=Rerun Clean P=Pass F=Fail

Working Standards Prep
GC/MS Volatiles

INITIALS: lbs	SOMV 3998								
PREP. DATE: 2/11/2012									
EXP. DATE: 2/12/2012	Solvent: H2O Lot# _____								
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M ICAL-L5 SOIL	VOMS 12797	100	10	5	200	2,4	2/9/2012	3/9/2012	NA
L/M DMC Mix	SOMV 3997	100	10	5	200	1	2/11/2012	4/11/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	10	5	100	3	2/11/2012	3/11/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Page# 2009- 3998

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>JJG</u>	SOMV <u>3997</u>								
PREP. DATE: <u>2/11/2012</u>	Solvent: <u>MEOH</u> Lot# <u>12-54</u>								
EXP. DATE: <u>3/11/2012</u>									
Stock Standard	Shealy Standard ID	Stock Standard Conc	Initial Volume	Final Volume	Final Conc	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M DMC Mix		ug/mL	ul	mL	ug/ml				
DMC Liquids	11-924	2000	100	2	100	NA	10/28/2011	4/28/2012	2/15/2013
DMC Gases	10-925	2000	100	2	100	NA	2/11/2012	4/11/2012	7/14/2014
DMC B	10-576	2500	160	2	200	NA	12/12/2011	6/12/2012	4/26/2013
DMC C (Dioxane-d8)	11-041	31250	128	2	2000	NA	11/15/2011	5/15/2012	2/23/2013

Page# 2008- 3997

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>JJG</u>	SOMV <u>3996</u>								
PREP. DATE: <u>2/10/2012</u>									
EXP. DATE: <u>3/10/2012</u>	Solvent: <u>MEOH</u> Lot# <u>12-54</u>								
Stock Standard	Shealy Standard ID	Stock Standard Conc	Initial Volume	Final Volume	Final Conc	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
Hexane/IPA Mix		ug/mL	ul	mL	ug/ml				
Hexane	08-838	2000	50	2	50	3	11/21/2011	5/21/2012	3/15/2016
Isopropyl Alcohol	08-876	10000	1000	2	5000	NA	12/16/2011	6/16/2012	1/23/2014
Dioxane Std	11-651	10000	200	2	1000	NA	10/24/2011	4/24/2012	7/28/2021

1. Ketones are also in the 8260 mix used for preparation of daily standards.
2. Dioxane is also in the 8260 mix used for preparation of daily standards.
3. Hexane also at 50 ug/ml in the 8260 Secondary standard for a total conc of 100 ug/ml.

Page# 2008- 3996

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>lbs</u>	SOMV <u>3999</u>								
PREP. DATE: <u>2/11/2012</u>	Solvent: <u>H₂O</u>								
EXP. DATE: <u>2/12/2012</u>	Lot# <u> </u>								
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M ICAL-L4 SOIL	VOMS 12797	100	5	5	100	2,4	2/9/2012	3/9/2012	NA
L/M DMC Mix	SOMV 3997	100	5	5	100	1	2/11/2012	4/11/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	5	5	50	3	2/11/2012	3/11/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Page# 2009- 3999

**Working Standards Prep
GC/MS Volatiles**

INITIALS: lbs

SOMV 4000

PREP. DATE: 2/11/2012

EXP. DATE: 2/12/2012

Solvent: H₂O Lot#

Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M ICAL-L3 SOIL	VOMS 12797	100	25	50	50	2,4	2/9/2012	3/9/2012	NA
L/M DMC Mix	SOMV 3997	100	25	50	50	1	2/11/2012	4/11/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	25	50	25	3	2/11/2012	3/11/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Working Standards Prep
GC/MS Volatiles

INITIALS:	lbs	SOMV 4001							
PREP. DATE:	2/11/2012								
EXP. DATE:	2/12/2012	Solvent:	H ₂ O	Lot#					
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M ICAL-L2 SOIL		100	5	50	10	2,4	2/9/2012	3/9/2012	NA
8260 Sec. Std	VOMS 12797	100	5	50	10	1	2/11/2012	4/11/2012	NA
L/M DMC Mix	SOMV 3997	100	5	50	10				
Hexane/IPA/Dioxane	SOMV 3996	50	5	50	5	3	2/11/2012	3/11/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Page# 2009- 4001

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>lbs</u>				SOMV 4000B					
PREP. DATE: <u>2/11/2012</u>									
EXP. DATE: <u>2/12/2012</u>				Solvent: <u>H2O</u>		Lot# <u> </u>			
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume uL	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M ICAL-L3 SOIL	VOMS 12797	100	25	50	50	2,4	2/9/2012	3/9/2012	NA
L/M DMC Mix	SOMV 3997	100	25	50	50	1	2/11/2012	4/11/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	25	50	25	3	2/11/2012	3/11/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Page# 2009- 4000B

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>JJG</u>	SOMV <u>4020</u>								
PREP. DATE: <u>2/16/2012</u>	EXP. DATE: <u>2/17/2012</u>	Solvent: <u>H₂O</u>	Lot#						
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M W ICAL-L5	VOMS 12797	100	100	50	200	2,4	2/9/2012	3/9/2012	NA
8260 Sec. Std	SOMV 3996	50	100	50	100	3	2/11/2012	3/11/2012	NA
L/M DMC Mix	SOMV 4008	100	100	50	200	1	2/12/2012	4/12/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Working Standards Prep
GC/MS Volatiles

INITIALS:	JJG				SOMV	4008				
PREP. DATE:	2/12/2012									
EXP. DATE:	3/12/2012				Solvent:	MEOH	Lot#	12-54		
Stock Standard	Shealy Standard ID	Stock Standard Conc	Initial Volume	Final Volume	Final Conc	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date	
L/M DMC Mix		ug/mL	ul	mL	ug/ml					
DMC Liquids	11-924	2000	100	2	100	NA	10/28/2011	4/28/2012	2/15/2013	
DMC Gases	10-925	2000	100	2	100	NA	2/11/2012	4/11/2012	7/14/2014	
DMC B	10-630	2500	160	2	200	NA	2/12/2012	8/12/2012	4/26/2013	
DMC C (Dioxane-d8)	11-041	31250	128	2	2000	NA	11/15/2011	5/15/2012	2/23/2013	

Page# 2008- 4008

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>JJG</u>	SOMV <u>4021</u>								
PREP. DATE: <u>2/16/2012</u>	EXP. DATE: <u>2/17/2012</u>	Solvent: <u>H2O</u>	Lot#						
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M W ICAL-L4	VOMS 12797	100	50	50	100	2,4	2/9/2012	3/9/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	50	50	50	3	2/11/2012	3/11/2012	NA
L/M DMC Mix	SOMV 4008	100	50	50	100	1	2/12/2012	4/12/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Working Standards Prep GC/MS Volatiles

INITIALS:	JJG	SOMV	4022						
PREP. DATE:	2/16/2012								
EXP. DATE:	2/17/2012	Solvent:	H2O	Lot#					
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M W ICAL-L3	VOMS 12797	100	50	100	50	2,4	2/9/2012	3/9/2012	NA
8260 Sec. Std	SOMV 3996	50	50	100	25	3	2/11/2012	3/11/2012	NA
Hexane/IPA/Dioxane	SOMV 4008	100	50	100	50	1	2/12/2012	4/12/2012	NA
L/M DMC Mix									

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>JJG</u>	SOMV <u>4023</u>								
PREP. DATE: <u>2/16/2012</u>	EXP. DATE: <u>2/17/2012</u>	Solvent: <u>H2O</u>	Lot#						
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M W ICAL-L2	VOMS 12797	100	5	50	10	2,4	2/9/2012	3/9/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	5	50	5	3	2/11/2012	3/11/2012	NA
L/M DMC Mix	SOMV 4008	100	5	50	10	1	2/12/2012	4/12/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Page# 2009- 4023

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>JJG</u>	SOMV <u>4024</u>								
PREP. DATE: <u>2/16/2012</u>	EXP. DATE: <u>2/17/2012</u>	Solvent: <u>H2O</u>	Lot# <u> </u>						
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M W ICAL-L1	VOMS 12797	100	2.5	50	5	2,4	2/9/2012	3/9/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	2.5	50	2.5	3	2/11/2012	3/11/2012	NA
L/M DMC Mix	SOMV 4008	100	2.5	50	5	1	2/12/2012	4/12/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

**Working Standards Prep
GC/MS Volatiles**

INITIALS: JJG		SOMV 4025							
PREP. DATE: 2/16/2012									
EXP. DATE: 2/17/2012		Solvent: H ₂ O		Lot#					
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M W ICAL-L2	VOMS 12809	100	5	50	10	2,4	2/15/2012	3/15/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	5	50	5	3	2/11/2012	3/11/2012	NA
L/M DMC Mix	SOMV 4008	100	5	50	10	1	2/12/2012	4/12/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

**Working Standards Prep
GC/MS Volatiles**

INITIALS: <u>LBS</u>	SOMV <u>4028</u>								
PREP. DATE: <u>2/20/2012</u>	EXP. DATE: <u>2/21/2012</u>	Solvent: <u>H2O</u>	Lot#						
Stock Standard	Shealy Standard ID	Stock Standard Conc ug/mL	Initial Volume ul	Final Volume mL	Final Conc ug/L	Foot Notes If App	Ampule Opened or Date made	Standard exp. Date	Mfg exp. Date
L/M W ICAL-L3	VOMS 12809	100	50	100	50	2,4	2/15/2012	3/15/2012	NA
Hexane/IPA/Dioxane	SOMV 3996	50	50	100	25	3	2/11/2012	3/11/2012	NA
L/M DMC Mix	SOMV 4008	100	50	100	50	1	2/12/2012	4/12/2012	NA

1. 2-Butanone-d8 and 2-Hexanone-d8 at 2x listed concentration.
2. Includes dioxane at 10x listed concentration in 8260 Sec. Std.
3. IPA at 100x listed concentration. Dioxane at 20x listed concentration.
4. Includes Hexane at 0.5x listed concentration

Volatile Internal Chain of Custody From Walk-in #8

318022212

Volatile Internal Chain of Custody From Walk-in #8

~~868~~ 022212

From: (214) 578-8182
 Jason Stroup
 EA Engineering, Science, & Tec
 405 S. Hwy 121 Bypass
 Suite C-100
 Lewisville, TX 75067

Origin ID: JMDA



J12101112190225

Ship Date: 01FEB12
 ActWgt: 45.0 LB
 CAD: 1247365/INET3250

Delivery Address Bar Code



Ref # 1434265 B3
 Invoice #
 PO #
 Dept #

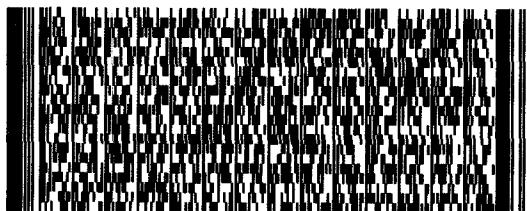
MM 2/2/12

SHIP TO: (803) 791-9700

BILL SENDER

Michael Woodrum
 SHEALY
 106 VANTAGE POINT DR

WEST COLUMBIA, SC 29172

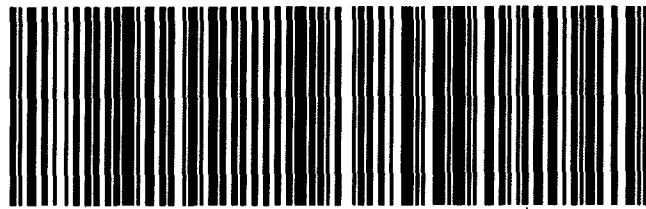


TRK# 7979 9728 1226
 0201

THU - 02 FEB A1
 PRIORITY OVERNIGHT

NJ USCA

29172
 SC-US
 CAE



512G19F59/A273

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From: (214) 578-8182
 Jason Stroup
 EA Engineering, Science, & Tec
 405 S. Hwy 121 Bypass
 Suite C-100
 Lewisville, TX 75067

Origin ID: JMDS



J12101112190225

Ship Date: 01FEB12
 ActWgt 45.0 LB
 CAD: 1247365/NET3250

Delivery Address Bar Code



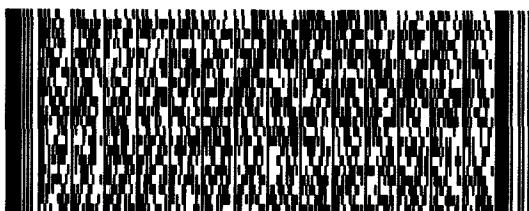
Ref # 1434265 B3
 Invoice #
 PO #
 Dept #

2/2/12

SHIP TO: (803) 791-9700
Michael Woodrum
SHEALY
106 VANTAGE POINT DR

WEST COLUMBIA, SC 29172

BILL SENDER

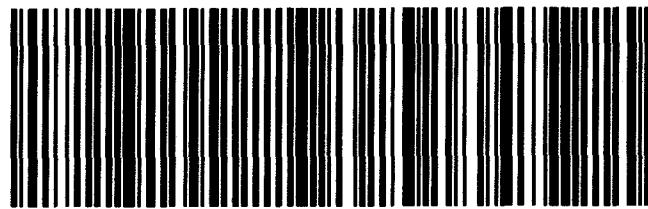


THU - 02 FEB A1
 PRIORITY OVERNIGHT

TRK# 7931 6681 4148
 0201

29172
 SC-US
 CAE

NJ USCA



512G1/SF59/A278

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F5AWO

EPW11035

USEPA CLP Organics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7979 9728 1226

Case #: 42182

Cooler #: 2

No: 6-013112-185120-0006

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

Organic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Inorganic Sample #	For Lab Use Only
F5AW6	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449116 (Ice to 4 C, HCL pH < 2), 6-449117 (Ice to 4 C, HCL pH < 2), 6-449118 (Ice to 4 C, HCL pH < 2) (3)	WMW-27A	01/31/2012 14:54	MF5AW6	
F5AW7	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449120 (Ice to 4 C, HCL pH < 2), 6-449121 (Ice to 4 C, HCL pH < 2), 6-449122 (Ice to 4 C, HCL pH < 2) (3)	WMW-27A DUP	01/31/2012 14:54	MF5AW7	
F5AW8	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449124 (Ice to 4 C, HCL pH < 2), 6-449125 (Ice to 4 C, HCL pH < 2), 6-449126 (Ice to 4 C, HCL pH < 2) (3)	WMW-29A	01/31/2012 11:41	MF5AW8	
F5AW9	Ground Water/Jeff Logan	Grab	TVOA(21), TVOA(21), TVOA(21)	6-449129 (Ice to 4 C, HCL pH < 2), 6-449130 (Ice to 4 C, HCL pH < 2), 6-449131 (Ice to 4 C, HCL pH < 2) (3)	WMW-31A	01/31/2012 16:00	MF5AW9	

Special Instructions: _____

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody # _____

Analysis Key: TVOA=Trace VOA - SOM01.2

FedEx 2/2/12 to 2/2/12 0900

Temp 1.0

F5ANb

EPW 11035

No: 6-013112-185120-0006

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

CHAIN OF CUSTODY RECORD

USEPA CLP Organics COC (LAB COPY)

DateShipped: 2/1/2012

CarrierName: FedEx

Airbill No: 7979 9728 1226

Case #: 42182

Cooler #: 2

Special Instructions:	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: TVOA=Trace VOA - SOM01.2	

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	<i>Jeff Brown</i>	1/31/12	<i>JH</i>	1/31/12	1800						
	<i>JH</i>	2/1/12									
							<i>Fed Ex</i>	2/2/12	<i>M</i>	2/2/12	0900

Temp 1-0

USEPA CLP Organics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

DateShipped: 2/1/2012

CarrierName: FedEx

AirbillNo: 7931 6681 4148

Case #: 42182

Cooler #: 3

No: 6-013112-191213-0007

GPW 11035

NO. 6-013112-191213-0007

Lab: Shealy Environmental

Lab_Address2: 106 Vantage Point Drive, West Columbia, SC 29172

Lab Phone: 803-791-9700

Organic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Inorganic Sample #	For Lab Use Only
F5AX1	Ground Water/Jeff Logan	Grab	LVOA(21), LVOA(21), LVOA(21)	6-449137 (Ice to 4 C, HCL pH < 2), 6-449138 (Ice to 4 C, HCL pH < 2), 6-449139 (Ice to 4 C, HCL pH < 2) (3)	WMW-33A	01/31/2012 10:29	MF5AX1	OK
F5AX2	Ground Water/Jeff Logan	Grab	LVOA(21), LVOA(21), LVOA(21)	6-449141 (Ice to 4 C, HCL pH < 2), 6-449142 (Ice to 4 C, HCL pH < 2), 6-449143 (Ice to 4 C, HCL pH < 2) (3)	WMW-34A	01/31/2012 09:33	MF5AX2	
F5AX6	Water/ Jason Stroup	Grab	LVOA(21), LVOA(21), LVOA(21)	6-445690 (Ice to 4 C, HCL pH < 2), 6-445691 (Ice to 4 C, HCL pH < 2), 6-445692 (Ice to 4 C, HCL pH < 2) (3)	TB # 2	01/31/2012 17:54		F5AX6 is test Sample in this SDS S.A.N 02/01/11

Special Instructions: _____

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Analysis Key: LVOA=Low/Medium VOA - SOM01.2

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	John Dorgan	1/31/12	JH	1/31/12	1800						
		2/1/12									
							Fedde	2/2/12	J	2/2/12	0900

Temp 1.4

SAMPLE LOG-IN SHEET
FORM DC-1

Lab Name Shealy Environmental Services, Inc.			Page <u>1</u> of <u>1</u>
Received By (Print Name) <u>Webster H. Lyons</u>			Log-in Date <u>2/21/12</u>
Received By (Signature) <u>W.H. Lyons</u>			
Case Number <u>42182</u>	Sample Delivery Group No. <u>F5AW 6</u>		Mod. Ref. No. <u>N/A</u>
Remarks:	Corresponding		Remarks: Condition of Sample Shipment, etc.
	EPA Sample #	Sample Tag #		Assigned Lab #
1. Custody Seal(s) <u>Intact/Broken</u>	<u>F5AW6</u>	<u>6-449116 6-449117 6-449118</u>	<u>NB02045-001</u> <u>OK</u>
2. Custody Seal Nos. <u>NA</u>	<u>F5AN7</u>	<u>6-449120 6-449121 6-449122</u>	<u>-002</u>
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	<u>F5AN8</u>	<u>6-449124 6-449125 6-449126</u>	<u>-003</u>
4. Airbill <u>Airbill/Sticker</u>	<u>F5AW9</u>	<u>6-449129 6-449130 6-449131</u>	<u>-004</u>
5. Airbill No. <u>797997281226</u>	<u>F5AX0</u>	<u>6-449133 6-449134 6-449135</u>	<u>-005</u>
6. Sample Tags Sample Tag Numbers	<u>F5AX3</u>	<u>6-449145 6-449146 6-449147</u>	<u>-006</u>
7. Sample Condition <u>Intact/Broken*/ Leaking</u>	<u>F5AX4</u>	<u>6-445686 6-445687 6-445688 6-445689</u>	<u>-007</u>
8. Cooler Temperature Indicator Bottle	<u>F5AX5</u>	<u>6-445687 6-445688 6-445689</u>	<u>-008</u>
9. Cooler Temperature	<u>1.0</u>		
10. Does information on TR/COCs and sample tags agree?	<u>Yes/No*</u>		
11. Date Received at Laboratory	<u>2/21/12</u>		
12. Time Received	<u>0900</u>	<u>11:00 AM</u>	
Sample Transfer			
Fraction <u>Toluene</u>	Fraction		
Area # <u>Refuge #18</u>	Area #		
By <u>W.H. Lyons</u>	By		
On <u>2/21/12</u>	On		

* Contact SMO and attach record of resolution.

Reviewed By <u>After Done</u>	Logbook No. <u>N/A</u>
Date <u>02/03/12</u>	Logbook Page No. <u>N/A</u>

SAMPLE LOG-IN SHEET
FORM DC-1

Lab Name Shealy Environmental Services, Inc.			Page <u>1</u> of <u>1</u>
Received By (Print Name) <u>Webster H. Lyons</u>			Log-in Date <u>2/2/12</u>
Received By (Signature) <u>W</u>			
Case Number <u>42182</u>	Sample Delivery Group No. <u>FSAW6</u>		Mod. Ref. No. <u>N/A</u>
Remarks:	Corresponding		Remarks: Condition of Sample Shipment, etc.
	EPA Sample #	Sample Tag #		Assigned Lab #
1. Custody Seal(s) <u>Present/Absent*</u> <u>Intact/Broken</u>	<u>F5AX1</u> <u>F5AX1</u>	<u>6-449137</u> <u>6-449138</u> <u>6-449139</u> <u>6-449141</u> <u>6-449142</u> <u>6-449143</u>	<u>010</u> <u>NB02045 - 007</u>
2. Custody Seal Nos. <u>N/A</u>	<u>F5AX2</u>	<u>6-449141</u> <u>6-449142</u> <u>6-449143</u>	<u>011</u> <u>-010</u>
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	<u>F5AX6</u>	<u>6-445690</u> <u>6-446691</u> <u>6-446692</u>	<u>012</u> <u>12/2/12</u> <u>011</u>
4. Airbill <u>Airbill/Sticker</u> <u>Present/Absent*</u>			
5. Airbill No. <u>183166814148</u>			
6. Sample Tags <u>Present/Absent*</u>			
Sample Tag Numbers <u>Listed/Not Listed</u> <u>on Chain-of-</u> <u>Custody</u>			
7. Sample Condition <u>Intact/Broken*/</u> <u>Leaking</u>			
8. Cooler Temperature <u>Present/Absent*</u> <u>Indicator Bottle</u>			
9. Cooler Temperature <u>10</u>			
10. Does information on TR/COCs and sample tags agree? <u>Yes/No*</u>			<u>Yes</u> <u>2/2/12</u>
11. Date Received at Laboratory <u>2/2/12</u>			
12. Time Received <u>0900</u>			
Sample Transfer			
Fraction <u>LVERA</u>	Fraction		
Area # <u>Walkin #3</u>	Area #		
By <u>WHR</u>	By		
On <u>2/2/12</u>	On		

* Contact SMO and attach record of resolution.

Reviewed By <u>KD Jr</u>	Logbook No. <u>N/A</u>
Date <u>02/03/12</u>	Logbook Page No. <u>N/A</u>

Jennifer O. Jones

From: Blackmon, Jacqueline [jblackmon3@fedcsc.com]
Sent: Friday, February 03, 2012 11:04 AM
To: jjones@shealylab.com; Jami Savje ; Kerry Hinshaw; Michael Woodrum; Saroj Parikh
Cc: Marvelyn Humphrey; Myra Perez; Raymond Flores
Subject: Region 06 | Case 42182 | Lab SHEALY | Issue Laboratory problems | FINAL
Attachments: TRCOC_Case42182.pdf

Jennifer,

Summary Start

Issue: The laboratory received 8 TVOA and 3 low/med VOA samples for Case 42182 and the TR/COC indicates that the Case is complete. However, per scheduling, the laboratory was expected to receive 11 TVOA and 6 low/med VOA samples. The laboratory would like to confirm that this Case is complete.

Resolution: Per Region 6, this Case is complete.

Summary End

Please let me know if you have any questions or problems. To waive any defect(s) associated with this issue, please contact your PO.

Thanks,

Jackie (Blackmon) Washington
Environmental Coordinator- Regions 6, 9 and ASB (QB/PE)
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

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2/3/12 at 10:46am Phone conversation between Jackie Washington, SMO, and Myra Perez, Region 6 RSCC. Myra confirmed that the Case is complete.

From: Blackmon, Jacqueline
Sent: Friday, February 03, 2012 9:31 AM
To: perez.myra@epa.gov
Cc: Raymond Flores
Subject: Region 06 | Case 42182 | Lab SHEALY | Issue Laboratory problems

Myra,
SHEALY is reporting the following issue for Case 42182. Please advise.

Issue: The laboratory received 8 TVOA and 3 low/med VOA samples for Case 42182 and the TR/COC indicates that the Case is complete. However, per scheduling, the laboratory was expected to receive 11 TVOA and 6 low/med VOA samples. The laboratory would like to confirm that this Case is complete.

Please let me know if you have any questions or problems.

Thanks,

Jackie (Blackmon) Washington
Environmental Coordinator- Regions 6, 9 and ASB (QB/PE)
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

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From: Jennifer O. Jones [<mailto:jjones@shealylab.com>]

Sent: Thursday, February 02, 2012 5:42 PM

To: Blackmon, Jacqueline

Cc: sparikh@shealylab.com; khinshaw@shealylab.com

Subject: Case 42182

Jacqueline,

Shealy received 8 TVOA s and 3 low/med VOAs for Region 6 case 42182. COC/TR says case is complete. Schedule says we are to receive 11 TVOAs and 6 low/med VOAs. Can you please confirm that this completes the case? Thank you.

Thanks,

Jennifer Jones
Shealy Environmental Services

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CASE	SDG	EPASAMP	LABID	MATRIX	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRLQ	SMPDATE	STATLOC
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-69-4	Trichlorofluoromethane	0.72		ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-34-3	1,1-Dichloroethane	0.14	LJ	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	67-66-3	Chloroform	0.22	LJ	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-88-3	Toluene	0.13	LJ	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	127-18-4	Tetrachloroethene	2.3	J	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	79-34-5	1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A
42182	F5AW6	F5AW6	NB02045-001	W	02/09/2012	20:48:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	MMW-27A

42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-69-4	Trichlorofluoromethane	0.73	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-34-3	1,1-Dichloroethane	0.16	LJ	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	67-66-3	Chloroform	0.24	LJ	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-88-3	Toluene	0.15	LJ	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	127-18-4	Tetrachloroethene	2.2	J	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	79-34-5	1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW7	NB02045-002 W	02/09/2012	21:10:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-27A DUP
42182	F5AW6	F5AW8	NB02045-003 W	02/09/2012	21:31:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A

42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-69-4	Trichlorofluoromethane	0.57	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-34-3	1,1-Dichloroethane	0.084	LJ	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	67-66-3	Chloroform	0.20	LJ	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	108-88-3	Toluene	0.13	LJ	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	127-18-4	Tetrachloroethene	1.5	J	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	79-34-5	1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW8	NB02045-003	W	02/09/2012	21:31:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-29A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A

42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-69-4	Trichlorofluoromethane	0.88	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-34-3	1,1-Dichloroethane	0.37	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	156-59-2	cis-1,2-Dichloroethene	0.12	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	74-97-5	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	67-66-3	Chloroform	0.20	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	107-06-2	1,2-Dichloroethane	0.13	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	79-01-6	Trichloroethene	0.97	UM	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	108-88-3	Toluene	0.13	LJ	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	127-18-4	Tetrachloroethene	2.9	J	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	79-34-5	1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AW9	NB02045-004	W	02/09/2012	19:29:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-31A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-32A

42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-35-4	1,1-Dichloroethene	4.9		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-34-3	1,1-Dichloroethane	7.8		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	156-59-2	cis-1,2-Dichloroethene	3.1		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	67-66-3	Chloroform	0.46	LJ	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	107-06-2	1,2-Dichloroethane	0.51		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	79-01-6	Trichloroethene	3.3		ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	78-87-5	1,2-Dichloropropane	0.19	LJ	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	108-88-3	Toluene	0.15	LJ	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	127-18-4	Tetrachloroethene	4.9	J	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	79-34-5	1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX0	NB02045-005	W	02/09/2012	19:51:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	WMW-32A
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1

42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-09-2	Methylene chloride	0.13	LJ	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-88-3	Toluene	0.58	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	127-18-4	Tetrachloroethene	0.50	UJ	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX3	NB02045-006	W	02/09/2012	20:13:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	ER # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1

42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-15-0	Carbon Disulfide	0.079	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-09-2	Methylene chloride	0.10	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	108-88-3	Toluene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	127-18-4	Tetrachloroethene	0.51	UM	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	124-48-1	Dibromochloromethane	0.13	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	75-25-2	Bromoform	0.32	LJ	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX4	NB02045-007	W	02/09/2012	08:05:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	FB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1

42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	67-64-1	Acetone	5.0	U	ug/L	5.0	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	71-43-2	Benzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	108-88-3	Toluene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	127-18-4	Tetrachloroethene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	100-42-5	Styrene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX5	NB02045-008	W	02/09/2012	08:27:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	01/31/2012	TB # 1
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-71-8	Dichlorodifluoromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	74-87-3	Chloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	74-83-9	Bromomethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-00-3	Chloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-69-4	Trichlorofluoromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-35-4	1,1-Dichloroethene	27		ug/L	5.0	01/31/2012	WMW-33A

42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	67-64-1	Acetone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-15-0	Carbon Disulfide	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	79-20-9	Methyl acetate	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	156-60-5	trans-1,2-Dichloroethene	0.60	LJ	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	1634-04-4	Methyl tert-butyl ether	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-34-3	1,1-Dichloroethane	12		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	156-59-2	cis-1,2-Dichloroethene	25		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	78-93-3	2-Butanone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	67-66-3	Chloroform	0.67	LJ	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	110-82-7	Cyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	56-23-5	Carbon tetrachloride	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	71-43-2	Benzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	107-06-2	1,2-Dichloroethane	1.9	LJ	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	123-91-1	1,4-Dioxane	100	UJ	ug/L	100	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	79-01-6	Trichloroethene	13		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	108-10-1	4-Methyl-2-pentanone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	108-88-3	Toluene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	127-18-4	Tetrachloroethene	12		ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	591-78-6	2-Hexanone	10	U	ug/L	10	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	106-93-4	1,2-Dibromoethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	100-41-4	Ethylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	95-47-6	o-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	179601-23-1	m,p-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	100-42-5	Styrene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	75-25-2	Bromoform	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	79-34-5	1,1,2-Tetrachloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX1	NB02045-010	W	02/12/2012	05:40:00	87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-33A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-71-8	Dichlorodifluoromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	74-87-3	Chloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	74-83-9	Bromomethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-00-3	Chloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-69-4	Trichlorofluoromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-35-4	1,1-Dichloroethene	120		ug/L	5.0	01/31/2012	WMW-34A

42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	67-64-1	Acetone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-15-0	Carbon Disulfide	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	79-20-9	Methyl acetate	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	156-60-5	trans-1,2-Dichloroethene	2.7	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	1634-04-4	Methyl tert-butyl ether	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-34-3	1,1-Dichloroethane	20		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	156-59-2	cis-1,2-Dichloroethene	140		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	78-93-3	2-Butanone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	67-66-3	Chloroform	1.2	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	110-82-7	Cyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	56-23-5	Carbon tetrachloride	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	71-43-2	Benzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	107-06-2	1,2-Dichloroethane	3.3	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	123-91-1	1,4-Dioxane	100	UJ	ug/L	100	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	79-01-6	Trichloroethene	57		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	108-10-1	4-Methyl-2-pentanone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	108-88-3	Toluene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	79-00-5	1,1,2-Trichloroethane	0.79	LJ	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	127-18-4	Tetrachloroethene	42		ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	591-78-6	2-Hexanone	10	U	ug/L	10	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	106-93-4	1,2-Dibromoethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	100-41-4	Ethylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	95-47-6	o-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	179601-23-1	m,p-Xylene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	100-42-5	Styrene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	75-25-2	Bromoform	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	79-34-5	1,1,2-Tetrachloroethane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX2	NB02045-011	W	02/12/2012	06:02:00	87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	WMW-34A
42182	F5AW6	F5AX6	NB02045-012	W	02/12/2012	06:23:00	75-71-8	Dichlorodifluoromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012	W	02/12/2012	06:23:00	74-87-3	Chloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012	W	02/12/2012	06:23:00	75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012	W	02/12/2012	06:23:00	74-83-9	Bromomethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012	W	02/12/2012	06:23:00	75-00-3	Chloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012	W	02/12/2012	06:23:00	75-69-4	Trichlorofluoromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012	W	02/12/2012	06:23:00	75-35-4	1,1-Dichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2

42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	67-64-1	Acetone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-15-0	Carbon Disulfide	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-20-9	Methyl acetate	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-09-2	Methylene chloride	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	1634-04-4	Methyl tert-butyl ether	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	78-93-3	2-Butanone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	67-66-3	Chloroform	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	110-82-7	Cyclohexane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	56-23-5	Carbon tetrachloride	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	71-43-2	Benzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	123-91-1	1,4-Dioxane	23	LJ	ug/L	100	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-01-6	Trichloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-10-1	4-Methyl-2-pentanone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-88-3	Toluene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	127-18-4	Tetrachloroethene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	591-78-6	2-Hexanone	10	U	ug/L	10	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	106-93-4	1,2-Dibromoethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	100-41-4	Ethylbenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	95-47-6	o-Xylene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	179601-23-1	m,p-Xylene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	100-42-5	Styrene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	75-25-2	Bromoform	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2
42182	F5AW6	F5AX6	NB02045-012 W	02/12/2012 06:23:00	87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	01/31/2012	TB # 2

USEPA Region VI
Case 42182 SDG F5AW6

02/22/2012

USEPA Region VI
Case 42182 SDG F5AW6

SDG F5AW6

Case 42182

DISK MAILER

CAUTION

Do not bend or fold

Avoid exposure to all magnetic fields

VINCENT MALCOTT

Location:
SUPERFOUND

Sender:
MEGIOU

03/07/12 13:34



030723133420

1 of 1

1.	INVENTORY Sheet (DC-2) (Do not number)
2.	SDG Case Narrative
3.	SDG Cover Sheet/Traffic Report
4.	Trace Volatiles Data
a.	QC Summary
b.	Sample Data
c.	Standards Data (All Instruments)
d.	Raw/Quality Control (QC) Data
e.	Blank Data

ALL documents delivered in the Complete SDG File (csf) must be original documents where possible.

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME ALS Laboratory Group

CITY/STATE Salt Lake City, UT 84123

CASE NO. 42553 SDG NO. F5WE9

SDG Nos. TO FOLLOW N/A

MOD. REF. NO. N/A

CONTRACT NO. EP-W-11-037

SOW NO. SOM01.2

1.	INVENTORY Sheet (DC-2) (Do not number)
2.	SDG Case Narrative
3.	SDG Cover Sheet/Traffic Report
4.	Trace Volatiles Data
a.	QC Summary
b.	Sample Data
c.	Standards Data (All Instruments)
d.	Raw/Quality Control (QC) Data
e.	Blank Data

ALL documents delivered in the Complete SDG File (csf) must be original documents where possible.

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME ALS Laboratory Group

CITY/STATE Salt Lake City, UT 84123

CASE NO. 42553 SDG NO. F5WE9

SDG Nos. TO FOLLOW N/A

MOD. REF. NO. N/A

CONTRACT NO. EP-W-11-037

SOW NO. SOM01.2

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2

CASE NO.	42553	SDG NO.:	F5WE9
SDG NOS. TO FOLLOW	N/A		
MOD. REF. NO.	N/A		

Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)

- e. Trace SIM Data (Place at the end of the Trace Volatiles Section)

[Form I VOA-SIM; Form II VOA-SIM1 and VOA-SIM2; Form IV-VOA-SIM; Form VI VOA-SIM; Form VII VOA-SIM; Form VIII VOA-SIM; and all raw data for QC, Samples, and Standards.]

5. Low/Med Volatiles Data

a. QC Summary

Deuterated Monitoring Compound Recovery (Form II
VOA-1, VOA-2, VOA-3, VOA-4)

Matrix Spike/Matrix Spike Duplicate Recovery
(Form III VOA-1, VOA-2) (if requested by USEPA Region)

Method Blank Summary (Form IV VOA)

GC/MS Instrument Performance Check (Form V VOA)

Internal Standard Area and RT Summary

(Form VIII VOA)

b. Sample Data

TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)

Tentatively Identified Compounds (Form I VOA-TIC)

Reconstructed total ion chromatograms (RIC) for each sample

For each sample:

Raw Spectra and background-subtracted mass spectra of target compounds identified

Quantitation reports

Mass Spectra of all reported TICs with three best library matches

c. Standards Data (All Instruments)

Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)

RICs and Quantitation Reports for all Standards

Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)

RICs and Quantitation Reports for all Standards

d. Raw/Quality Control (QC) Data

BFB

Blank Data

<u>PAGE NOS</u>	<u>CHECK</u>		
<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>USEPA</u>
NA 1		✓	NA ↓
9	10	✓	✓
NA		✓	NA ✓
11 13	12 15	✓ ✓	✓
16	17	✓	✓
18	180		✓
		✓ ✓	✓
		✓	✓
181	222		✓
		✓ ✓	✓
		✓	✓
223 229	228 250	✓ ✓	✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO.	42553	SDG NO.:	F5WE9
SDG NOS. TO FOLLOW	N/A		
MOD. REF. NO.	N/A		

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Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)

<u>NA</u>	<u> </u>	<u>✓</u>	<u>NA</u>
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6. Semivolatiles Data

a. QC Summary

Deuterated Monitoring Compound Recovery (Form II SV-1 and SV-2, SV-3, SV-4)

<u>NA</u>	<u> </u>	<u>✓</u>	<u>NA</u>
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Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III SV-1 and SV-2) (if requested by USEPA Region)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Method Blank Summary (Form IV SV)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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GC/MS Instrument Performance Check (Form V SV)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Internal Standard Area and RT Summary (Form VIII SV-1 and SV-2)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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b. Sample Data

TCL Results - Organics Analysis Data Sheet (Form I SV-1 and SV-2)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Tentatively Identified Compounds (Form I SV-TIC)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Reconstructed total ion chromatograms (RICs) for each sample

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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For each sample:

Raw Spectra and background-subtracted mass spectra of target compounds

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Quantitation reports

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Mass Spectra of TICs with three best library matches

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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GPC chromatograms (if GPC is required)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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c. Standards Data (All Instruments)

Initial Calibration Data (Form VI SV-1, SV-2, SV-3)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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RICs and Quantitation Reports for all Standards

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Continuing Calibration Data (Form VII SV-1, SV-2, SV-3)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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RICs and Quantitation Reports for all Standards

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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d. Raw QC Data

DFTPP

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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Blank Data

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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MS/MSD Data (if requested by USEPA Region)

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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e. Raw GPC Data

<u> </u>	<u> </u>	<u>✓</u>	<u> </u>
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ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO.	42553	SDG NO.:	F5WE9
SDG NOS. TO FOLLOW	N/A		
MOD. REF. NO.	N/A		

	PAGE NOS	CHECK		
	FROM	TO	LAB	USEPA
f. Semivolatile SIM Data	NA		✓	NA

[Form I SV-SIM; Form II SV-SIM1 and SV-SIM2; Form III SV-SIM1 and SV-SIM2 (if required); Form IV SV-SIM; Form VI-SIM; Form VII SV-SIM; Form VIII SV-SIM1 and SV-SIM2; and all raw data for QC, Samples, and Standards.]

7. Pesticides Data

a. QC Summary

Surrogate Recovery Summary (Form II PEST-1 and PEST-2)

Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III PEST-1 and PEST-2)

Laboratory Control Sample Recovery (Form III Pest-3 and PEST-4)

Method Blank Summary (Form IV PEST)

b. Sample Data

TCL Results - Organics Analysis Data Sheet (Form I PEST)

Chromatograms (Primary Column)

Chromatograms from second GC column confirmation

GC Integration report or data system printout

Manual work sheets

For pesticides by GC/MS

Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)

c. Standards Data

Initial Calibration of Single Component Analytes (Form VI PEST-1 and PEST-2)

Toxaphene Initial Calibration (Form VI PEST-3 and PEST-4)

Analyte Resolution Summary (Form VI PEST-5, per column)

Performance Evaluation Mixture (Form VI PEST-6)

Individual Standard Mixture A (Form VI PEST-7)

Individual Standard Mixture B (Form VI PEST-8)

Individual Standard Mixture C (Form VI PEST-9 and PEST-10)

Calibration Verification Summary (Form VII PEST-1)

Calibration Verification Summary (Form VII PEST-2)

Calibration Verification Summary (Form VII PEST-3)

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO.	42553	SDG No	F5WE9
SDG NOS. TO FOLLOW	N/A		
MOD. REF. NO.	N/A		

	PAGE NOS	CHECK		
	FROM	TO	LAB	USEPA
Calibration Verification Summary (Form VII PEST-4)			✓	NA
Analytical Sequence (Form VIII PEST)			✓	
Florisil Cartridge Check (Form IX PEST-1)			✓	
Pesticide GPC Calibration (Form IX PEST-2)			✓	
Identification Summary for Single Component Analytes (Form X PEST-1)			✓	
Identification Summary for Toxaphene (Form X PEST-2)			✓	
Chromatograms and data system printouts			✓	
A printout of Retention Times and corresponding peak areas or peak heights			✓	
d. Raw QC Data	NA			
Blank Data			✓	
Matrix Spike/Matrix Spike Duplicate Data			✓	
Laboratory Control Sample Data			✓	
e. Raw GPC Data			✓	
f. Raw Florisil Data			✓	↓
8. <u>Aroclor Data</u>	NA			
a. QC Summary			✓	NA
Surrogate Recovery Summary (Form II ARO-1 and ARO-2)			✓	
Matrix Spike/Matrix Spike Duplicate Summary (Form III ARO-1 and ARO-2)			✓	
Laboratory Control Sample Recovery (Form III ARO-3 and ARO-4)			✓	
Method Blank Summary (Form IV ARO)			✓	
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I ARO)			✓	
Chromatograms (Primary Column)			✓	
Chromatograms from second GC column confirmation			✓	
GC Integration report or data system printout			✓	
Manual work sheets			✓	
For Aroclors by GC/MS			✓	
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			✓	↓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO.	42553	SDG NO.:	F5WE9
SDG NOS. TO FOLLOW	N/A		
MOD. REF. NO.	N/A		

	PAGE NOS	CHECK		
	FROM	TO	LAB	USEPA
c. Standards Data	NA			
Aroclors Initial Calibration (Form VI ARO-1, ARO-2 and ARO-3)			✓	NA
Calibration Verification Summary (Form VII ARO- 1)			✓	
Analytical Sequence (Form VIII ARO)			✓	
Identification Summary for Multicomponent Analytes (Form X ARO)			✓	
Chromatograms and data system printouts A printout of Retention Times and corresponding peak areas or peak heights			✓	
d. Raw QC Data				
Blank Data			✓	
Matrix Spike/Matrix Spike Duplicate Data			✓	
Laboratory Control Sample (LCS) Data			✓	
e. Raw GPC Data (if performed)			✓	

9. **Miscellaneous Data**

Original preparation and analysis forms or
copies of preparation and analysis logbook pages

251 254 ✓ ✓

Internal sample and sample extract transfer
chain-of-custody records

255 256 ✓ ✓

Screening records

257 298 ✓ ✓

All instrument output, including strip charts
from screening activities (describe or list)

Method Check/QC Reports/LCS

NA ✓ NA ✓

Percent Solids Determinations

NA ✓ ✓ ✓

10. **EPA Shipping/Receiving Documents**

Airbills (no. of shipments 1) ^{W.D} 6/29/12

299 299 ✓ ✓

Chain of Custody Records (Copies)

300 303 ✓ ✓

Sample Tags

304 318 ✓ ✓

Sample Log-in Sheet (Lab & DC-1)

319 319 ✓ ✓

Miscellaneous Shipping/Receiving Records
(describe or list)

✓ ✓ ✓ ✓

DCL Cooler Receipt Checklist

NA ✓ NA ✓

DCL Sample Work Orders

NA ✓ ✓ ✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO.	42553	SDG NO.:	F5WE9
SDG NOS. TO FOLLOW	N/A		
MOD. REF. NO.	N/A		

<u>PAGE NOS</u>		<u>CHECK</u>	
<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>USEPA</u>

11. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)

DCL Documentation Checking Forms

320 320 ✓ ✓

DCL Non-conformance/Corrective Action Reports

NA ✓ NA

12. Other Records (describe or list)

Telephone Communication Log

NA ✓

E-mail Communications

NA ✓

 ✓

↓

13. Comments

Completed by:
(CLP Lab)

(Signature)

Melissa Duggan/Doc. Ctrl.

6/6/12

(Date)

Verified by:
(CLP Lab)

(Signature)

Roxanne Olson/Proj. Mngr.

6/6/12

(Date)

Audited by:

~~USEPA~~

ESAT

(Signature)

J. ISAUACE DOONG

(Printed Name/Title)

6/29/12

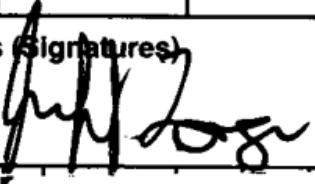
(Date)

DATA REVIEWER

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1454	Designate: Comp. Grab
Station Location		Samplers (Signatures) 		
Tag Number 6- 449116	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AW6 Station Location: WMW-27A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449116		
Lab Sample No.				

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1454	Designate: Comp. 	Grab
Tag Number 6- 449117	Station Location	Samplers (Signatures) 			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AW6 Station Location: WMW-27A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449117			
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		1/31/12	1454	Comp.	Grab
Tag Number 6- 449118	Station Location	Samplers (Signatures)			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AW6 Station Location: WMW-27A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449118			
	Lab Sample No.				

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1454	Designate: Comp. Grab	
	Station Location	Samplers Signatures 			
Tag Number 6- 449120	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: <p>Case No: 42182 Sample No: F5AW7 Station Location: WMW-27A DUP Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449120</p>			
	Lab Sample No.				

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1454	Designate: Comp.	Grab
------------------------------	-------------	---------------------------	--------------	---------------------	------

Station Location		Samplers (Signatures)			
Tag Number 6-449122	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: <p>Case No: 42182 Sample No: F5AW7 Station Location: WMW-27A DUP Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449122</p>			

Project Code
CLP Case No.

Station No.

Month/Day/Year

1/31/12

Time

1141

Designate:

Comp.

Grab

Station Location

Samplers (Signatures)

6- 449124

Tag Number

Concentration:

L M H

Remarks:

Case No: 42182

Sample No: F5AW8

Station Location: WMW-29A

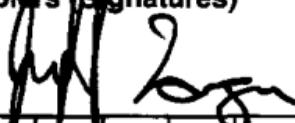
Sample Type: Grab

Preservative: Ice to 4 C, HCL pH < 2

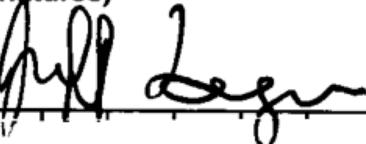
Analysis: Trace VOA - SOM01.2

Concentration: Low

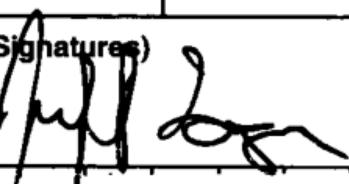
Tag No: 6-449124

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1141	Designate: Comp. Grab	
Station Location		Samplers (Signatures) 			
Tag Number 6-449125	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	<p>Case No: 42182 Sample No: F5AW8 Station Location: WMW-29A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449125</p>			
Lab Sample No.					

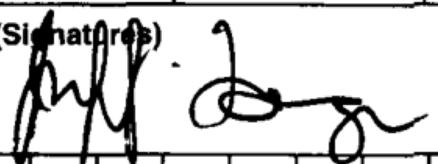
Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1141	Designate:	
				Comp.	Grab
Station Location		Samplers (Signatures)			
Tag Number 6- 449126	Remarks: Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H *	Case No: 42182 Sample No: F5AW8 Station Location: WMW-29A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449126			
Lab Sample No.					

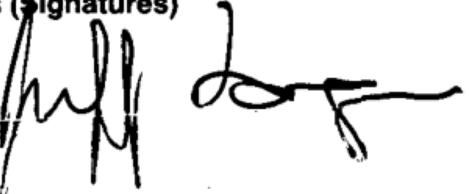
Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1454	Designate: Comp.	Grab
Station Location		Samplers (Signatures) 			
Tag Number 6- 449121	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks:	<p>Case No: 42182</p> <p>Sample No: F5AW7</p> <p>Station Location: WMW-27A DUP</p> <p>Sample Type: Grab</p> <p>Preservative: Ice to 4 C, HCL pH < 2</p> <p>Analysis: Trace VOA - SOM01.2</p> <p>Concentration: Low</p> <p>Tag No: 6-449121</p>		
Lab Sample No.					

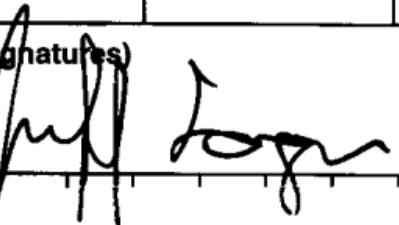
Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1600	Designate: Comp.	Grab
Tag Number 6-449129	Station Location	Samplers (Signatures) <i>M. J. Day</i>			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AW9 Station Location: WMW-31A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449129			
Lab Sample No.					

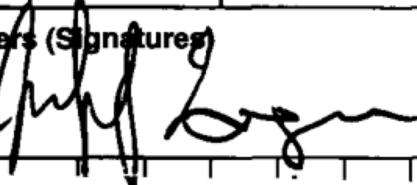
Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1600	Designate: Comp. Grab	
Station Location		Samplers (Signatures) 			
Tag Number 6- 449130	Concentration:	Case No: 42182 Sample No: F5AW9 Station Location: WMW-31A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449130			
	Remarks:	<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H Lab Sample No.			

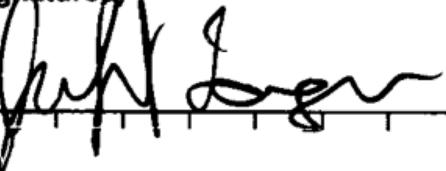
Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1600	Designate: Comp.	Grab
Station Location		Samplers (Signatures) <i>Rufi 208</i>			
Tag Number 6- 449131	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AW9 Station Location: WMW-31A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449131			
Lab Sample No.					

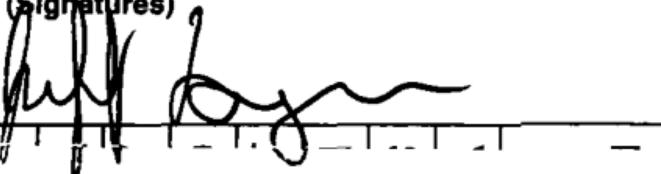
Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1402	Designate: Comp. Grab
Tag Number 6- 449133	Station Location	Samplers (Signatures) 		
Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX0 Station Location: WMW-32A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449133			
Lab Sample No.				

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1402	Designate: Comp. Grab	
Tag Number 6- 449134	Station Location	Samplers (Signatures) 			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX0 Station Location: WMW-32A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449134			
Lab Sample No.					

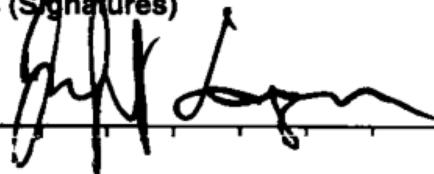
Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1402	Designate: Comp. Grab
Tag Number 6- 449135	Station Location	Samplers (Signatures) 		
Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks:	<p>Case No: 42182 Sample No: F5AX0 Station Location: WMW-32A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449135</p>		
Lab Sample No.				

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1050	Designate: Comp.	Grab
Tag Number 6-449145	Station Location * Remarks:	Samplers (Signatures) 			
Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H Lab Sample No. 6-449145	Case No: 42182 Sample No: F5AX3 Station Location: ER # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449145				

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1050	Designate: Comp. Grab	
Station Location		Samplers (Signatures) 			
Tag Number 6- 449146	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Case No: 42182 Sample No: F5AX3 Station Location: ER # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449146			
	Lab Sample No.				

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1050	Designate: Comp.	Grab
Tag Number 6-449147	Station Location	Samplers (Signatures) 			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX3 Station Location: ER # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449147			
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		1/31/12	1025	Comp.	Grab
Tag Number 6- 445686	Station Location	Samplers (Signatures)			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX4 Station Location: FB # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-445686			

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1025	Designate: Comp. Grab	
Tag Number 6- 449149	Station Location	Samplers (Signatures) 			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks:	Case No: 42182 Sample No: F5AX4 Station Location: FB # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449149		
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1025	Designate: Comp. Grab
Tag Number 6- 449150	Station Location	Samplers (Signatures) 		
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX4 Station Location: FB # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-449150		

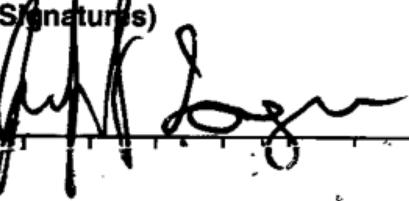
Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		1/31/12	1746	Comp.	Grab
Station Location		Samples (Signatures)			
Tag Number 6- 445687	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX5 Station Location: TB # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-445687			
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1746	Designate: Comp. <i>[Signature]</i>	Grab
Station Location		Samplers (Signatures)			
Tag Number 6- 445688	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	<p>Case No: 42182 Sample No: F5AX5 Station Location: TB # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-445688</p>			
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:		
		1/31/12	1746	Comp.	Grab	
Station Location		Samples (Signatures)				
Tag Number 6- 445689	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input checked="" type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX5 Station Location: TB # 1 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Trace VOA - SOM01.2 Concentration: Low Tag No: 6-445689				
GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765						

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1029	Designate: Comp. Grab
Tag Number 6- 449137	Station Location	Samplers (Signatures)		
	Concentration: <input type="checkbox"/> L <input checked="" type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX1 Station Location: WMW-33A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low/Medium Tag No: 6-449137		

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		1/31/12	1029	Comp.	Grab
Tag Number 6- 449138	Station Location	Samplers (Signatures)			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX1 Station Location: WMW-33A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low/Medium Tag No: 6-449138			

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 1029	Designate: Comp. Grab	
Tag Number 6-449139	Station Location	Samplers (Signatures) 			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX1 Station Location: WMW-33A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low/Medium Tag No: 6-449139			
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 933	Designate: Comp. Grab	
Tag Number 6- 449141	Station Location	Samplers (Signatures) 			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX2 Station Location: WMW-34A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low/Medium Tag No: 6-449141			
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:		
		1/31/12	933	Comp.	Grab	
Station Location		Samplers (Signatures)				
Tag Number	Remarks:					
6- 449142	Concentration:	Case No: 42182 Sample No: F5AX2 Station Location: WMW-34A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low/Medium Tag No: 6-449142				
	<input type="checkbox"/> L	<input type="checkbox"/> M	<input type="checkbox"/> H	Lab Sample No.		

Project Code CLP Case No.	Station No.	Month/Day/Year 1/31/12	Time 933	Designate: Comp. Grab	
	Station Location	Samplers (Signatures) 			
Tag Number 6- 449143	Concentration:	Case No: 42182 Sample No: F5AX2 Station Location: WMW-34A Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low/Medium Tag No: 6-449143			
	Remarks: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Lab Sample No.			

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		1/31/12	1754	Comp.	Grab
Station Location		Samples (Signatures)			
Tag Number 6- 445690	Remarks: Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	<p>Case No: 42182</p> <p>Sample No: F5AX6</p> <p>Station Location: TB # 2</p> <p>Sample Type: Grab</p> <p>Preservative: Ice to 4 C, HCL pH < 2</p> <p>Analysis: Low/Medium VOA - SOM01.2</p> <p>Concentration: Low</p> <p>Tag No: 6-445690</p>			
GPO: U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765					

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		1/31/12	1754	Comp.	Grab
6- 445691	Station Location	Samplers (Signatures)			
	Tag Number	Remarks: Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Case No: 42182 Sample No: F5AX6 Station Location: TB # 2 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low Tag No: 6-445691		
Lab Sample No.					

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
				Comp.	Grab
		1/31/12	1754	<i>[Signature]</i>	<i>[Signature]</i>
Tag Number 6- 445692	Station Location	Samplers (Signatures)			
	Concentration: <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> H	Remarks: Case No: 42182 Sample No: F5AX6 Station Location: TB # 2 Sample Type: Grab Preservative: Ice to 4 C, HCL pH < 2 Analysis: Low/Medium VOA - SOM01.2 Concentration: Low Tag No: 6-445692			
Lab Sample No.					